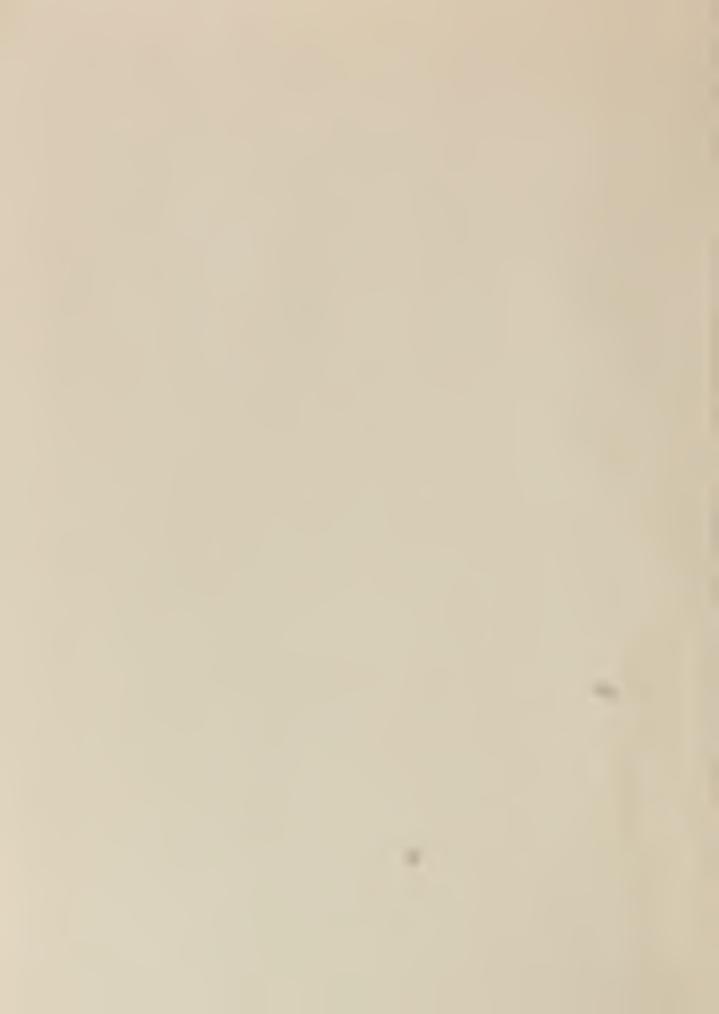


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OF

State of California THE RESOURCES AGENCY

epartment of Water Resources

BULLETIN No. 94-5

LAND AND WATER USE IN SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Volume I: Text

JULY 1965

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HUGO FISHER

Administrator
The Resources Agency

EDMUND G. BROWN
Governor
State of California

WILLIAM E. WARNE

Director

Department of Water Resources



State of California THE RESOURCES AGENCY

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FOREWORD

In 1956, the State Legislature declared:

"... that in providing for the full development and utilization of the water resources of this State it is necessary to obtain for consideration by the Legislature and the people, information as to the water which can be made available for exportation from the watersheds in which it originates without depriving those watersheds of water necessary for beneficial use therein ..."

The Department of Water Resources was directed to conduct the necessary investigations to compile this information.

For purposes of these studies, the major drainage areas of the State were delineated. Division of these drainage areas into subareas, designated hydrographic units, was then made. The hydrographic units, which generally comprise watersheds of individual rivers, serve as the basic unit for collection and reporting of data.

The investigation is being conducted in two phases: (1) collection and publication of data on land and water use, and (2) determination and reporting of water resources and future water requirements. Collection and processing of basic data for both phases, by hydrographic units, is underway in much of the State.

The land and water use and land classification data are being published as the Bulletin No. 94 series, covering individual hydrographic units. These bulletins are distributed in preliminary editions and reviewed at public hearings. Final editions are then published including necessary revisions resulting from comments submitted at and following these hearings. These bulletins are an essential source of data for the subsequent water requirements studies, and when complete, will provide detailed data for the entire State.

This report is the final edition of Bulletin No. 94-5 following a public hearing held in Shasta-Scott Valleys Hydrographic Unit in April 1964.

The second phase of the investigation begins with an inventory of water resources in each drainage area, including streamflows, ground water, and water quality characteristics. Estimates of future water requirements, based on the land and

water use studies and projections of foreseeable future development, are now under way in some areas. Results of these water resources and water requirements studies will be published as Bulletin No. 142 series, each covering some or all of the hydrographic units within a drainage area.

These water resources and future water requirements bulletins will provide the basis for outlining the additional projects needed to meet the State's growing water needs. By interrelating the projected water requirements of all areas of the State with the available local supplies, by decades, a recommended sequence and timing for the State's future water development plans will be established. Besides thus forming the chief basis for the Department of Water Resources' allimportant project staging program, the data on water resources and water requirements will be a most valuable guide for water development planning by federal and local, as well as state agencies.

TABLE OF CONTENTS

<u>Pag</u>
FOREWORD ii
LETTER OF TRANSMITTAL
ORGANIZATION, THE RESOURCES AGENCY OF CALIFORNIA, DEPARTMENT OF WATER RESOURCES
CALIFORNIA WATER COMMISSION xii
ACKNOWLEDGMENT xi
PUBLIC HEARING ON PRELIMINARY EDITION OF BULLETIN NO. 94-5
CHAPTER I. INTRODUCTION
Organization of Report
General Description of Area
Location
Historical and Present Development
Natural Features
Climate
Water Resources
CHAPTER II. WATER USE
Water Rights
Surface Water Diversions
Numbering System for Surface Water Diversions 2
Descriptions of Surface Water Diversions 2
Records of Surface Water Diversions
Index to Surface Water Diversions 10
Imports and Exports
Consumptive Use
CHAPTER III. LAND USE
Historical Land Use

TABLE OF CONTENTS (continued)

		Page
Present Land Use	•	133
Methods and Procedures	•	133
Irrigated Lands		⁻ 136
Naturally High Water Table Lands	•	171
Dry-Farmed Lands	•	171
Urban Lands	•	173
Recreational Lands	•	173
Native Vegetation	•	173
CHAPTER IV. LAND CLASSIFICATION		175
Methods and Procedures	•	176
Major Categories of Land Classes	•	181
Irrigable Lands	•	181
Urban Lands	•	183
Recreational Lands	•	183
Miscellaneous Lands	•	184
CHAPTER V. SUMMARY	•	185
Water Use	•	186
Land Use		187
Land Classification		187

TABLE OF CONTENTS (Continued)

TABLES

Table	No.	Page
1	Area of Subunits in Shasta-Scott Valleys Hydrographic Unit	5
2	Summary of Recorded Temperatures at Selected Stations in or Near Shasta-Scott Valleys Hydrographic Unit	15
3	Summary of Mean Annual Precipitation at Selected Stations in or Near Shasta-Scott Valleys Hydrographic Unit	16
4	Summary of Runoff Data for Shasta River Near Yreka and Scott River Near Fort Jones	17
5	Descriptions of Surface Water Diversions in Shasta-Scott Valleys Hydrographic Unit	28
6	Monthly Records of Surface Water Diversions in Shasta-Scott Valleys Hydrographic Unit, 1958	82
7	Index to Surface Water Diversions, Shasta-Scott Valleys Hydrographic Unit	111
8	Land Use in Shasta-Scott Valleys Hydrographic Unit, 1958	135
9	Irrigated Lands in Shasta-Scott Valleys Hydrographic Unit, 1958	137
10	Land Classification Standards	176
11	Classification of Lands in Shasta-Scott Valleys Hydrographic Unit	180

TABLE OF CONTENTS (Continued)

ILLUSTRATIONS

	Page
Town of Yreka	8
City of Weed International Paper Company	8
Shasta River Dam, Dwinnell Reservoir	10
Town of Montague	10
Lower Scott Valley, Fort Jones	13
Town of Etna	13
Gold Dredge, Scott Valley	18
Dwinnell Reservoir	18
Lumber Mill, Weed	21
Big Springs, Shasta Valley	21
Pump Diversion Big Springs, Shasta Valley	26
Gravity Diversion, Scott Valley Irrigation District	26
Department of Water Resources Gaging Station, "Etna Creek Near Etna"	108
Watermaster, Measuring Flow in Shasta Valley	108
Example of Land Use Delineated on Aerial Photograph	134
Irrigating Alfalfa, Scott Valley	172
Department of Water Resources Gaging Station, Little Shasta River Near Montague"	172
Example of Land Classification Delineated on Aerial Photograph	177
Feed Mill, Montague	182
Stacking Lumber for Air Drying, Yreka	182

TABLE OF CONTENTS (Continued)

FIGURES

Figure	No.	Page
1	1958 Land Use	189
2	Classification of Lands	189
	APPENDIXES	
Append	<u>ix</u>	
А	Coordinated Statewide Planning Program	A-1
В	Reports on Related Investigations and Other References	B-1
C	Legal Considerations	C-1
D	Detailed Descriptions of Certain Surface Water Diversions	D-1
	PLATES	
Plate	No.	
1	Area of Investigation: Volumes I and II	
2	Land and Water Use: Volume II	
3	Classification of Lands: Volume II	



EPARTMENT OF WATER RESOURCES

O. BOX 388 CRAMENTO



May 11, 1965

Honorable Edmund G. Brown, Governor, and Members of the Legislature of the State of California

Gentlemen:

This is the final edition of Bulletin No. 94-5, presenting data relative to land and water use collected in 1958 and land classification in the Shasta-Scott Valleys Hydrographic Unit. In addition to the detailed material on land and water use, the report includes notes on the history, natural features, climate, and the economy of the unit. Maps of land use and land classification illustrate the text.

In March 1964 the preliminary edition of this bulletin was released, and in April 1964 its contents were discussed at a public hearing held in Yreka, California. Department of Water Resources personnel studied comments made at this hearing and revised the present edition accordingly.

This is one of a series of reports prepared by the Department under authority granted in Section 232 of the Water Code. The information contained in this series of reports, together with pertinent information from other sources, will be used in determining the amount of water which can be used beneficially in each area, and the extent of surplus or deficiency. This series, when completed, will form an invaluable reference for relating water resources of the State to the uses of its land resources.

Sincerely yours,

Director

fil 5. Warm

Attachment

STATE OF CALIFORNIA THE RESOURCES AGENCY DEPARTMENT OF WATER RESOURCES

EDMUND G. BROWN, Governor

HUGO FISHER, Administrator, The Resources Agency
WILLIAM E. WARNE, Director, Department of Water Resources

ALFRED R. GOLZE', Chief Engineer

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William L. Berry Division Engineer Meyer Kramsky Chief, Statewide Investigations Branch Ralph G. Allison .Acting Chief, Planning Investigations Section

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ACKNOWLEDGMENT

The Department of Water Resources gratefully acknowledges information contributed by the numerous water users and residents of the Shasta-Scott Valleys Hydrographic Unit and various agencies of the federal, state, and local governments.

Special mention is made of the helpful cooperation of the Siskiyou County Farm Bureau for its assistance in arranging and conducting reviews of information published herein.

The Department particularly appreciates the assistance of Mr. Sedgely D. Nelson, Siskiyou County Farm Advisor, with the collection of supplementary data following the public hearing.

PUBLIC HEARING on Preliminary Edition of

Bulletin No. 94-5
Land and Water Use in Shasta-Scott Valleys
Hydrographic Unit

In accordance with Section 232 of the Water Code and the Department of Water Resources policy, a public hearing was held April 14, 1964, in the Siskiyou County Courthouse, Yreka, to receive comments on the preliminary edition of Bulletin No. 94-5, "Land and Water Use in Shasta-Scott Valleys Hydrographic Unit". Mr. Robert E. Foley, Chief, Special Investigations Section, Northern Branch, assisted by other Department personnel, conducted the hearing.

The hearing was attended by 21 individuals and representatives of governmental and local agencies. Comments and data leading to modification of the preliminary edition were submitted by the following persons:

Mr. George Marion Grieb, Hornbrook, California

Mr. M. V. Maxwell, Chairman, Siskiyou County Resources Board, Yreka, California

Mr. Sedgely D. Nelson, Farm Advisor, Yreka, California

Mr. Richard M. Berry, Manager, Scott Valley Irrigation District



CHAPTER T. INTRODUCTION

This bulletin presents basic data on land and water use in portions of Shasta River and Scott River watersheds. These areas, located in Siskiyou County, are designated herein as the Shasta-Scott Valleys Hydrographic Unit. The data cover present land and water use, classification of lands, systems used to divert surface waters, histories of diversions, apparent water rights pertinent to each diversion, purpose and extent of use of diversions, seasonal quantities of water diverted during 1958, and an estimate of present consumptive use of water in the unit. A general description and a brief history of the area are also included.

These basic data were gathered during the period 1950-59 in compliance with Chapter 61, Statutes of 1956, as amended by Chapter 2025, Statutes of 1959, and codified in Section 232 of the Water Code of the State of California. This legislation provides for an inventory of water resources and water requirements of the State. This is the fifth of a series of bulletins to be prepared under this authorization. The text of Section 232, with a discussion of its history and implications, is included in this bulletin as Appendix A.

These data will provide the basis for a future determination of the quantities of water reasonably required for future beneficial use within the Shasta-Scott Valleys Hydrographic Unit. Preliminary estimates of these quantities were published in State Water Resources Board Bulletin No. 2, "Water Utilization and Requirements of California," Department of Water Resources Bulletins No. 58, "Northeastern Counties Investigation," and No. 83, "Klamath River Basin Investigation."

Final determinations of future water requirements will be based on estimates of: (1) future land use, (2) economic considerations, (3) population, (4) industrial and agricultural development, and (5) recreational needs.

The data presented herein have been reviewed in preliminary form by representatives of Siskiyou County, the Water Study Committee of the Siskiyou County Farm Bureau, and local water users. These groups submitted changes, which were reviewed in the field, and adjustments were made where warranted.

Organization of Report

This bulletin is basically a compilation of data in the form of tables and plates, with supplemental explanatory text.

The report consists of five chapters, four appendixes, and three plates.

Chapter I contains a general description and brief history of the Shasta-Scott Valleys Hydrographic Unit. Chapter II, "Water Use," presents data on surface water diversion systems, related water rights information, measurements of quantities of water diverted, and an analysis of consumptive use. Chapter III, "Land Use," includes a history of land use within the unit, and tables of present land use. Plates prepared in connection with Chapters II and III delineate the areas of various present land uses and the locations of diversion systems. Chapter IV, "Land Classification," includes a tabulation of lands classified with regard to their potential for irrigated agriculture and for recreational purposes. Plates prepared for this chapter delineate the respective classes of land grouped into several major categories. Chapter V summarizes the report.

Appendix A presents the text of Section 232 of the California Water Code and a discussion of the pertinent responsibilities and work program of the Department of Water Resources. Appendix B is a bibliography of publications pertinent to the Shasta-Scott Valleys Hydrographic Unit. Appendix C presents a short summary of California water law, a review of litigation involving water rights in the unit, and a tabulation of applications to appropriate water in the unit. Appendix D presents details of six diversions which could not be adequately described in tables contained in Chapter II.

General Description of Area

Location

The Shasta-Scott Valleys Hydrographic Unit, which contains 1,456 square miles of central Siskiyou County, lies within the Klamath River Basin of the North Coastal area as shown on Plate 1. The unit includes the entire watershed of the Shasta River and that portion of the Scott River watershed which is above the gaging station "Scott River near Fort Jones," located 20 miles above the confluence of the Scott and Klamath Rivers. The unit is bounded by the watersheds of the Klamath River on the north, the Salmon River on the west, the Trinity and Sacramento Rivers on the south, and Butte Creek on the east.

The Shasta River heads in the Eddy Mountains and flows northerly for approximately 50 miles through Shasta Valley to its junction with the Klamath River. Major tributaries are Little Shasta River, Greenhorn Creek, Yreka Creek, Willow Creek, Parks Creek, Boles Creek, Beaughan Creek, and Carrick Creek.

The headwaters of the East Fork Scott River rise on China Mountain about 7 miles southeast of Callahan. The headwaters of the South Fork Scott River are the mountain lakes about 5 miles southwest of Callahan. These two forks merge at Callahan to form the Scott River. Which flows northerly for approximately 30 miles along the east side of Scott Valley to Fort Jones, then wester of for 10 miles, where it leaves the valley and the hydrographic unit. Major tributaries to the Scott River are Shackleford Creek, French Creek, Etna Creek, Kidder Creek, McAdams Creek, and Moffett Creek.

For purposes of this report, the Shasta-Scott Valleys Hydrographic Unit has been divided into 20 subunits, shown on Plate 1. The area of each subunit is shown in Table 1.

Historical and Present Development

Like most of the American continent prior to the white man's arrival, Shasta and Scott Valleys were inhabited by Indians -- the Shastas in Shasta Valley, and the Ottitiewa Tribe in Scott Valley. The first known white man to enter the area was Gene Baptiste McKay, who camped near Sheep Rock on the eastern side of Shasta Valley in 1825. Peter Skene Ogden made the first recorded mention of Mt. Shasta on February 14, 1827. He called it Mt. Sastise, and the river Sastise River.

A party of Hudson's Bay Company trappers, under the guidance of Alexander Roderick McLeod, came down the Oregon Coast in 1827 and passed through Scott Valley on their way to the Sacramento Valley. They called it Beaver Valley, due to the large number of beaver inhabiting the area.

TABLE 1

AREA OF SUBUNITS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Subunit	: Acres	: Square miles
Ball Mountain Callahan Dwinnell Reservoir East Fork Eddy Creek Etna Grass Lake Grenada Kidder Creek Little Shasta Lower Scott Valley McAdam Creek Moffett Creek Parks Creek Shackleford Creek South Fork Stewart Springs Weed Willow Creek Yreka Creek	30,960 33,440 147,140 72,910 18,300 54,750 17,260 44,970 42,360 92,780 53,670 35,620 43,570 17,220 23,710 64,260 18,100 32,590 49,260 39,030	48 52 230 114 29 86 27 70 66 145 84 56 68 27 37 100 28 51 77 61
TOTAL AREA	931,900	1,456

Several trapping and exploring expeditions passed through the two valleys, but the area remained almost unknown until the discovery of gold at Coloma. Major Reading's discovery of gold on the Trinity River led to the search for the precious metal on other northern streams. Would-be miners came from the Sacramento Valley, from the Pacific Coast up the Klamath River, and south through the mountains from Oregon.

In March of 1851, a party of miners led by Dr. F. G.

Hearn, passing over the Siskiyou Mountains from Oregon to Scott

Bar, was delayed at Ieka (Yreka) Creek after a three-day rainstorm.

During the delay, Abraham Thompson noticed flecks of gold in the

roots of grass that were turned by the stock and washed by the rain. Upon panning, he found the topsoil to be extremely rich. The area became known as "Thompson's Dry Diggings," and within six months after Thompson took out the first gold, 5,000 people inhabited the area. Stores, saloons, and gambling houses became part of the settlement known as Shasta-Butte City. This name was later changed to Yreka when Siskiyou County was formed in 1852. As was found to be the experience in other gold mining areas, a decline in population followed the disappearance of the more readily accessible deposits. Population in Yreka, presently the largest town in the unit, dropped to about 1,000 people in 1870, and remained under 1,300 until about 1920. Since that time, the population increased to 2,500 in 1940, and 4,800 in 1960.

Weed, the second largest town in the unit, was established in 1900, when a large sawmill and lumber products manufacturing plant were constructed. Although some of the town's growth between 1900 and 1960 can be attributed to tourist trade passing through on U. S. Highways 99 and 97, the major changes in Weed's economic activity can be traced to changes in the output level of lumber products. Since World War II, this lumber mill has become a part of the largest forest products firm in the United States, the International Paper Company. During the past 15 years, a plywood plant and other manufacturing facilities have been added. Population has consequently increased from about 2,700 in 1950 to 3,200 in 1960.

Montague, the third largest town, is located 6 miles east of Yreka, in a dairying and stock raising community. The

surrounding farmland was developed prior to 1920 by a local land company, and agriculture of the area has not expanded greatly since that time. The population of Montague has increased slowly from 250 in 1890 to 500 in 1930, and to about 800 in 1960.

Edgewood, Gazelle, and Granada are small, unincorporated towns on the stage line of the old California-Oregon Trail.

The town of Etna was originally known as Rough and Ready Mills, for the flour mills established there in 1856. The town originally served as a supply center for the southern Siskiyou gold mining area. After the gold rush, Scott Valley developed into an agricultural area, and Etna became the agricultural center for the southern portion of the valley. Population of the town has fluctuated from about 360 in 1880, to 500 in 1900, to 380 in 1930, and about 600 in 1960.

Fort Jones, known variously as Ottitiewa, Wheelock, and Scottsburg, was established in 1851 as a hotel and stage station on the road from Yreka to Callahan. In 1862 the present name of Fort Jones was adopted from an army post 1 mile to the south, which had existed from 1852 to 1858 for protection against the Indians. Population has increased slowly from 250 in 1890 to about 500 in 1960.

At the junction of East and South Forks Scott River, a wayside inn was founded in 1851 for miners crossing the Scott Mountains from the south. This was the first stage station to be built in Siskiyou County. In 1854 the Callahan Ranch Hotel was built. The building is still in use today, containing the post office and general store. Although no precise estimate of the



Town of Yreka



City of Weed -- International Paper Company

population of the town proper has been made, school attendance indicates that Callahan has less than 100 residents.

During the 1850's, the community of Deadwood, then second in size only to Yreka, was formed at the junction of Deadwood and Cherry Creeks, 8 miles west of Yreka. This was a rich gold area and was mined extensively until 1900. Very little remains today to indicate that a prosperous mining community once occupied the site.

The Shasta-Scott Valleys Hydrographic Unit contains approximately 568,000 acres of commercial timberland, with a volume of about 8.8 billion board feet. About 70 percent of this acreage is in private ownership, the remainder being in either national forest, Indian lands, or public domain. Coniferous timber in the area is composed of three principal types: pine, Douglas fir, and true firs.

In 1958, two sawmills were operating in Scott Valley, with a combined capacity of 40 million board feet per year. In Shasta Valley, there were four sawmills with a total capacity of about 100 million board feet per year, a plywood plant with an output of 360 million square feet, and a lumber remanufacturing plant with a capacity of 30 million board feet per year.

Agriculture ranks next to lumbering in Siskiyou County's economy. About one-half of the county's total agricultural production comes from Shasta and Scott Valleys. Beef cattle production is the principal source of agricultural income in the hydrographic unit, followed in importance by hay and grain crops.

Gold mining, which was the initial stimulus to settling of the area in 1850, has continued to be an important element in



Shasta River Dam, Dwinnell Reservoir



Town of Montague

the unit's economy. Although production dropped off during World War II, it amounted to approximately \$460,000 during 1955, and \$260,000 during 1958. Sand and gravel output during 1958 was valued at about \$230,000; miscellaneous stone at about \$110,000; and the production of chromite was about \$30,000.

Natural Features

The Shasta-Scott Valleys Hydrographic Unit consists of the two valleys and surrounding mountains. Shasta Valley, which has a north-south length of about 30 miles, and a maximum width of 15 miles, has an area of about 220 square miles. The valley varies in elevation from about 2,500 feet above sea level near Montague to about 3,000 feet near Edgewood. It is situated along the eastern slopes of the Klamath Mountains and includes a portion of the western slopes of the Cascade Range.

In the west-central portion of Shasta Valley, rocks typical of the Klamath Mountains geomorphic province give way eastward to the Tertiary and Quaternary volcanic rocks of the Cascade Range. The valley may be divided into four areas having distinct geologic and topographic characteristics. These are:

(1) a discontinuous gently eastward-sloping alluvial plain along the western portion of the valley; (2) an area of volcanic hillocks, ridges, and alluvial flats in the western and central parts of the valley; (3) a large, gently sloping recent basaltic lava flow, which covers most of the southeast quarter of the valley; and (4) dissected, gently sloping coalescing alluvial fans at the north end of the valley. The Cascade Range bordering the east

side of Shasta Valley consists of a north-south trending chain of dormant or extinct volcanoes. Mount Shasta, the highest volcanic cone in the chain, rises almost 2 miles above its base to 14,162 feet above sea level at the southeast end of Shasta Valley, to dominate the surrounding landscape.

Scott Valley, which has a north-south length of about 20 miles, is narrow at its southern section near Callahan, and widens to about 7 miles near Greenview. The area of the valley is approximately 100 square miles and, like Shasta Valley, varies in elevation from about 2,500 feet to 3,000 feet above sea level. Southeast of the valley are the Scott Mountains; to the west and south are the Salmon Mountains; and to the north and northwest are the Scott Bar and Marble Mountains. Formations surrounding and underlying the valley fill consist of bedrock of pre-Silurian to Jurassic and possibly Cretaceous age. The alluvial fill consists of unconsolidated Pleistocene and Recent deposits.

Soils of the Shasta and Scott Valleys differ markedly as to their mode of formation, physiographic configuration, age, and parent rock material. These differences are significant when considering the respective crop adaptabilities of the two valleys. The soils can be arranged into four groups: (1) recent and young alluvial soils; (2) morainic soils; (3) older valley-filling soils; and (4) upland or residual soils. All of these types are found in Shasta Valley, but Scott Valley is comprised largely of alluvial soils.

The soils of Shasta Valley have been severely modified by volcanic activity in the Mt. Shasta region. Many ridges and



Lower Scott Valley, Fort Jones



Town of Etna

mounds of extruded volcanic rocks have broken the valley into numerous small and sometimes isolated pockets of irrigable soils. Glacial action has left an extensive area of coarse-textured, stony morainic soils in the southern end of the valley. Some limited areas of alkali are scattered throughout the valley. However, analysis of soil samples has indicated that the alkali problem is not serious. The older valley-filling soils of Shasta Valley are shallow, with undulating hardpan below.

Crop adaptability of the land of Shasta Valley is limited by the presence of rock, coarse-textured materials, and root-restricting hardpans. Further restrictions are imposed by spring flooding and short growing seasons. Crops such as pasture, alfalfa, small grains, and selected field crops, will probably continue to be the major crops grown in the valley.

Crop adaptability in Scott Valley has the same general limitations as Shasta Valley. A major portion of the soils of Scott Valley are recent and young alluvium from mixed or sedimentary parent rock sources. The western edge of the valley has several areas of coarse and stony soils. Many of the soils found adjacent to existing water courses are subject to a high water table in the early spring. At present, the valley produces alfalfa, grain, meadow pasture, and a limited selection of field crops. Over-irrigation has greatly reduced the carrying capacity of much of the meadow pasture land. Crop adaptability of most of this area is more limited by climatic environment than by soil restrictions. In the future, Scott Valley is likely to shift toward greater field crop production and a more intensive management of pasture lands.

Climate

The climate of the Shasta-Scott Valleys Hydrographic Unit is characterized by warm dry summers and moderate wet winters. In the valleys, the average maximum temperature for July, the hottest month, is approximately 92°F. The average minimum for January, the coldest month, is about 23°F. In higher elevations of the mountains, the temperature decreases about one degree per 300 feet of elevation. The mean and extreme temperatures, and the average frost-free period, for four representative stations, are shown in Table 2.

TABLE 2

SUMMARY OF RECORDED

TEMPERATURES AT SELECTED STATIONS IN
OR NEAR SHASTA-SCOTT VALLEYS
HYDROGRAPHIC UNIT

Station		<pre>:temper : in</pre>	o _F .	:temper	treme ratures, ^O F.	: Average* : frost- : free : period :(in days)	: Period : of record
Callahan Ranger Station	3,136	34.3	66.8	-6	106	114	1953-1959
Yreka	2,631	36.7	67.2	-11	112	138	1931-1952
Fort Jones R. S.	2,720	33.9	66.5	-23	110	108	1936-1953
Mt. Shasta City	3,544	36.0	62.5	-2	103	134	1921-1950

^{*} For period of record.

About 75 to 80 percent of the precipitation occurs from October through March, with occasional thundershowers during the

summer months. The mean seasonal precipitation, for six representative stations, based on or corrected to the period 1905-06 to 1954-55, is shown in Table 3.

TABLE 3

SUMMARY OF MEAN ANNUAL PRECIPITATION
AT SELECTED STATIONS IN OR NEAR
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

	Station	: :I :Elevation:	Precipitation: (in inches):	Period of record
Callahar	n Ranger Station	3,136	19.44	1945-1960
Etna		2,912	24.14	1934-1959
Fort Jor	nes Ranger Station	2,720	20.16	1935-1959
Montague	ġ.	2,538	12.58	1887-1959
Mt. Shas	sta City	3,544	33.53	1888-1960
Yreka		2,631	17.32	1871 - 1959

Water Resources

The flow in the Shasta and Scott Rivers is extended into the summer, beyond the main precipitation period, by the melting snowpack of the Eddys, the Scott Mountains, and the Salmon Mountains. Boles Creek, Beaughan Creek, Carrick Creek, Big Springs, and other small streams and springs in Shasta Valley are supplied by underground flow from the melting glaciers of Mt. Shasta.

Runoff from the hydrographic unit is measured at the gaging stations designated as Shasta River near Yreka and Scott River near Fort Jones. Pertinent information obtained from these stations for the period indicated is summarized in Table 4.

TABLE 4

SUMMARY OF RUNOFF DATA FOR SHASTA RIVER NEAR YREKA AND SCOTT RIVER NEAR FORT JONES

T		River :		River
Item of record :	Acre-feet :	Period :	Acre-feet:	Period
Average annual discharge	130,000	1931-41 1945-58	488,700	1941-58
Minimum annual discharge	56,500	1933-34	168,800	1943-44
Maximum annual discharge	254,900	1957-58	944,300	1957-58
Minimum summer dis- charge (April - September)	11,500	1934	90,800	1955
Maximum summer dis- charge (April - September)	90,050	1941	407,810	1952
Minimum monthly discharge	513	8/39	1,910	9/55
Maximum monthly discharge	47,800	12/55	200,500	12/55
Shasta River Minimum instantaneous Maximum instantaneous	flow flow	3.4 cfs 5,090 cfs	(8/13/38) (12/22/55)	
Scott River Minimum instantaneous Maximum instantaneous		20 cfs 3,500 cfs	(9/14/55) (12/22/55)	

For the irrigation season April through September 1958, during which diversion measurements were made in this investigation, the runoff measured at Shasta River near Yreka was 226 percent of the average, and 169 percent of the average at Scott River near Fort Jones.



Left: Gold Dredge, Scott Valley

> Below: Dwinnell Reservoi



CHAPTER II. WATER USE

Water requirements in the Shasta-Scott Valleys Hydrographic Unit are met almost entirely by diversion of stream runoff; however, a limited portion is supplied by ground water. A survey of surface water diversions was made for this investigation. The results of the survey include diversion locations, descriptions, uses, amounts of water diverted, and apparent water rights information relating to diversions. Diversions of water for all purposes are reported, except those which involve amounts less than approximately 10 acre-feet per season.

Quantities of water diverted during 1958 were measured in order to further describe the diversion systems. The measured quantities do not necessarily represent average diversions, since in any single year the quantity diverted will be influenced by precipitation during the growing season and the available streamflow. As was mentioned in Chapter I, 1958 was an unusually wet year in Shasta and Scott Valleys. Factors other than available water supply, such as economic factors, may also affect the degree to which any diversion record represents typical operating conditions. No attempt was made to assess these factors in this report. Generally, the diversion quantities reported are the actual amounts of water taken from the respective sources, and therefore include the recoverable and irrecoverable losses incidental to the primary uses, which may be consumptive, such as irrigation, or nonconsumptive, such as in the production of hydroelectric power.

Locating water wells and measurement of their production were not covered in this investigation. However, the areas of lands

irrigated by water from all sources, including underground sources, were determined in the land use survey, which is described in Chapter III.

Municipal water service in the unit is provided in the following localities:

Location	Owner	Source
Etna	City of Etna	Etna Creek
Fort Jones	Dunsmuir Water Corporation	Wells
Montague	Montague Water Conservation District	Little Shasta River
Weed	International Paper Company	Beaughan Creek
Weed	Shastina Water Service	Boles Creek
Yreka	City of Yreka	Greenhorn Creek Yreka Creek

Water Rights

Water rights are an important consideration when determining the quantities of water which are surplus to the present and future needs of an area. Therefore, information relative to the apparent water rights associated with the surface water diversions described herein was obtained. These rights are based on appropriative or riparian status, and may have been defined by adjudication.

Water rights are rights in property which, because of their obscure establishment, are frequently the subject of controversy and litigation. Most of the water rights in Shasta Valley, and some of the water rights in Scott Valley, have been adjudicated. Others have been defined in private agreements. These actions, and the California law of water rights, are described briefly in Appendix C.



Big Springs, Shasta Valley
Lumber Mill, Weed



Most of the remaining water use in the unit is based on riparian rights, or on appropriative rights established prior to 1914. As of June 28, 1960, a total of 68 currently active applications had been made in the unit under provisions of the Water Commission Act of 1913. Permits or licenses had been granted for 66 of these applications, and 2 were incomplete. All of these applications are tabulated in Table C-1.

Surface Water Diversions

All diversions of more than 10 acre-feet per year in use in 1958 and the preceding five years were included.

The date of last use of discontinued diversions was recorded, if known. Direct diversions, as well as those involving significant surface storage, were located. All reservoirs which had surface areas of about 3 acres or more were mapped. Three acres was considered the minimum area which could be delineated with reasonable accuracy on the aerial photographs used. Reservoirs located along, and operated in conjunction with, canals and ditches are shown on the land and water use maps, but are not considered as separate systems, and are not assigned location numbers. Similarly, supplies obtained from small, intermittent streams intercepted by canal systems are not classed as separate diversions.

In some situations, water users have made efficient use of water by rediverting field runoff or spill collected from their own upstream diversion systems. In this investigation, the point of such rediversion is neither located on the maps nor assigned a number. If return flow from another water user's operation is rediverted, however, or if there is doubt as to the origin of the

water, the diversion is delineated and assigned a number. Diversion systems of water companies or groups of water users are considered as single units; individual customer distribution points are not shown on the maps.

A total of 547 surface water diversions were located in this unit in 1958, and are classified by primary use as follows:

Primary use	Number of diversions
Irrigation	529
Municipal	10
Industrial	6
Power	1
Recreation (golf course)	1

Points of diversion and main canals or pipelines used to convey the water are delineated on the 18 sheets of Plate 2, "Land and Water Use." The diversions are described in Table 5.

Numbering System for Surface Water Diversions

Surface water diversions are numbered by a system which indicates their location by township, range, and section within the federal land survey system. Each section is subdivided into 40-acre plots, lettered as shown in the legend on each sheet of Plate 2. Diversions are numbered within each of these 40-acre plots according to the order in which they were located. For example, diversion 41N/5W-4Fl, which is shown on Sheet 15 of Plate 2 as "4Fl", is the first diversion located in the SE¹/₄ of the NW¹/₄ of Section 4 in Township 41 North, Range 5 West, Mt. Diablo Base and Meridian (MDB&M).

Descriptions of Surface Water Diversions

Description, history, and other information relating to surface water diversions were obtained by field inspection, by interview with water users or their representatives, and by reference to prior reports and official records. This information is contained in Table 5. Data in the table are arranged by diversion number within each subunit.

Each diversion location in Table 5 is followed by the name of the owner, the source of water, the uses served by the diversion, the quantity of water diverted during 1958, the extent of use, and the method of water application. If the purpose listed is not the usual use for that diversion, notation is made in the remarks column.

In some cases the reported quantities of water diverted appear excessive when related to the areas of land irrigated. These are generally for those diversions with earth canals several miles in length. Since the measurements were made at or near canal intakes, the quantities include losses such as percolation, as well as water applied to the lands. The quantities of water applied to the land may, therefore, be considerably less than the indicated amounts diverted. The extent of domestic use is specified only when five or more connections are served. Stockwatering of less than 10 head of livestock is considered to be a domestic use. The extent of irrigation use is based on the land use survey described in Chapter III.

The type of water right under which the respective diversions are considered to be made is indicated in Table 5 as the "apparent water right". The determination of this item is based upon the best information available from the owner, from

files of the State Water Rights Board, from court decrees, from official records, and from other sources. The actual amount of the right, if established and known, and a reference to the source of data, are also included. Although this information is believed to be accurate, it is emphasized that it is not based on sworn claims or testimony, and should in no way be construed to represent a conclusive determination of water rights.

Diversions for which water rights have been adjudicated are listed in Table 5 as "adjudicated". Those based on appropriative rights are listed as "appropriative". Those which have been neither adjudicated nor based on appropriations, but for which the area of use is apparently riparian to the stream or other water source, are listed as "riparian". The areas of use for many of the diversions listed as adjudicated or appropriative are probably riparian to water sources, but no attempt was made to make such determinations.

In the case of an adjudicated right, the amount of the decreed right is tabulated. For an appropriative right, the amount tabulated is that found in the filing, if any, in the application, or in the latest permit or license which may have been issued. The reference given for an appropriation initiated after the effective date of the Water Commission Act (1914) is the number of the application on file with the State Water Rights Board. For appropriations prior to 1914, the reference, if known, is the book and page number of the official county record in which the filing is recorded. Such filings were made in accordance with Sections 1410 and 1422 of the Civil Code as enacted in 1872,



Pump Diversion -- Big Springs, Shasta Valley



Gravity Diversion, Scott Valley Irrigation District

which preserved the priority of a diligent appropriator from the time of filing, and enabled him to prevail over a concurrent nonstatutory appropriator.

A detailed description of the diversion systems, including dams, pumps, and main conduits, as well as any special features, is included in Table 5. The diversions are also classified as gravity, pump, or storage, according to the following descriptions:

Gravity diversion - A system in which water is taken from its natural course at a diversion structure and conveyed by gravity through a canal or pipeline to the area of use. Such a diversion may have a reservoir on the stream but the capacity is small compared with the amount of water diverted, and provides no significant carryover storage from winter to summer.

Pump diversion - A system in which water is pumped from its natural course through a pipeline to the area of use or to a gravity conduit located at a higher elevation.

Storage diversion - A system consisting of or including a surface reservoir having significant carry-over storage within each season or from season to season.

Systems which do not conform exclusively to one of these basic types are listed as combinations of those types which best describe them.

The remarks contain such information as the names of former owners, known changes of ownership since 1958, and further details explaining entries in the other columns.

Detailed information with respect to diversions, which could not be presented adequately in Table 5, is included in Appendix D.

Diversion				Water use in 1958		App	Apporent water right	right	Indicated date of		
ond ond Plote 2 sheet number	Diversion name and/or awner	Source	Purpose	Extent and method of use	Amount diverted in ocre-fast	Туре	Amount	Reference	oppro- priotion or first use	Description of diversion system	Remorke
					T A	ALL MOU	BALL MOUNTAIN SUBUNIT	TINU			
M D B M M	Goose Nest	Little Shaeta River	Irrdg.	19 scree by flooding	Not meas. Adjud.	Adjud.	0.30 cfs Par. 141	Par. 141	1856	Gravity; 0.7 mile of earth	Former ownere: R. Hills, Charlee Soule.
L5N/3n-9A2 (Sheat 3)	Goose Nest Properties, Inc.	Little Shasta River	Ітв.	25 acres by flooding	Not meas. Adjud		0.23 cfsh Par. 1438	Par. 1438	1856	Gravity; 0.8 mile of earth ditch.	Former owners: A. Mille, Unarles couls.
LSN/3W-1LF1 (Sheet 3)	Ida A. Martin	Spring tributary to Little Shesta River	Irrig.	29 acres by flooding	Not meas.	Adjud.	0.20 cfs	Par. 2L2 ^g	1856	Gravity; 0.2 mile of earth ditch.	Former owner: C. V. Smith.
LSN/34-15H1 (Sheet 3)	Idə A. Martin	South Fork Little Shasta River	Irrig.	42 seres by flooding	Not meas. Adjud.	Adjud.	0.10 cfs Par. 244	Par. 244	1856	Gravity; O.6 mile of earth ditch.	Former owner: C. V. Smith.
							TIMINE NAMA	F			
LON/64-17J1 (Sheet 16)	Alger Ditch Hugh Duffy Jeorge E. Moore Clifford Suddereth	Scott River	-37.LE	63 acres by flooding and sprinkler	2,003	Approp.	Approp. 1,000 M Bk. 1, s	BK. 1, s	About 1872	Gravity; rock dam with 3.5 miles of earth ditch.	Former owners Sardner
Loti/8n-20R1 (Sheet 16)	Hazel Ovens	South Fork Scott River	Munic. Irrig. Stock.	30 connections 3 acres by flooding	727	Riperian	1	}	Prior 1855	Gravity; concrete dam 3 feet high, 10 feet long with 0.7 mile of earth ditch.	Former owners: Callanar, white, Mcuride, Jenny, Bleckburn, Hayden Brothere. Servee community of Callahan.
LCN/94-1C1 (Sheet 16)	Bonnie Fowler	Squaw Guleh	Irrig.	27 seree by flooding ?	Not meas.	(q)	1	;	About 1955	Gravity; gravel dam with 0.5 mile of earth ditch.	
LOR/9x-131 (Sheet 16)	Farmers Atch Co.	Scott River	Irrie.	1,288 acree by flooding*	12,790*	Riperlan	1	ı	About 1870	Gravity; rock and earth dan with 11.3 miles of earth ditch and a small storage reservoir.	Previously irricated an additional 30 acres. Area irrigated includes 102 acres normally irrigated jointly with uniV/smally irrigated jointly
LON/5n-1R1 (Sheet 16)	C. W. Birdwell	Suger Creek	Irrig.•	(*)	None	(q)	1	ł	Prior 1900	Gravity; log dam with 0.8 mile of earth ditch.	Former owner: rrank Sullivan, Prevrously irrigated an estimated 15 acres.
LON/9m-11J1 (Sheet 16)	Glern Bernes D. H. La Fevere	Sugar Creek	Jaran San	179 acree by flooding	1,179	Adjud. Adjud. Approp. Approp.	60 MI 70 MI 1.25 cfs	(q) Par. 2p Appl.15769 ^c Appl.15770 ^c	1869	Gravity; rock dam with 7.5 miles of earth ditch.	Former owners: Lenny, Fay, Edward
LON/94-11 ₄ 1 (Sheet 16)	C. W. Birdwell	Sugar Creak	Irrip.6	*	None	Adjud.	100 MI	Par. 6P	1873	Gravity; rock dam with 1.7 miles of earth ditch.	Former owners: Frank Sullivan, J. Hoss nade, C. S. Arbuckle. Irrigated 15 acres until 1950.
LON/94-12F1 (Sheet 16)	C. e. Birdwelle	Sujar Greek	Irrig. Stock.	36 acres by flooding.	770	Adjud.	55 MI*	(b)	1869	Gravity; rock dam with 0.6 mile of earth ditch.	Former owners: Fran. Sullivan, M. Pauline "delion. Subsequent comer: dugene A. and Johanna!" Allen. Amount of water right may also be diverted all or in part by USV/9x=12F2.

• See remarks.
• Por additional information see Appendix D "Petalia Descriptions of Certain Surface " Later Diversions".

- Information not available.

For lettered footnotes, see last page of Table.

-28-

Oiversian				Water use in 1958		App	Apparent water right	right	indicated date of		
location and Plate 2 sheet number	Diversion name and/or owner	Saurce	Purpose	Extent and methad of use	Amount diverted in done-feet	Туре	Amaunt	Rafarence	appro- priation or first use	Description of diversion system	Remarks
					CAL	LAHAN S	CALLAHAN SUBUNIT (Continued)	I ontinued)			
MDBAM						-		_			
LON/94-12F2 (Sheet 16)	C. W. Birdwelle	Sugar Creek	Irrig.	h acres by flooding	901	Adjud.	(*)	(b)	1869	Gravity; log dem with 0.5 mile of earth ditch.	Former owners: Frank Sullivan, M. Pauline Metson. Subsequent owners bugene A. and Johanna V. Allen. For water right details see LOK/9W-12F1.
Lin/94-281 (Sheet 13)	Scott Valley lrrigation District	Scott River	Irrig.	3,924 acres by flooding*	9,116 ⁿ	Approp.	62.5 cfs A	Appl. 512°	1918	Gravity; concrete dam 2 feet high, 50 feet long with 15.7 miles of earth ditch.	** Previously irrigated an additional L9 acres.
LLN/94-911 (Sheet 13)	J. T. Tamona	Clark Creek	Irrif. Stock.	100 acres by flooding 200 head	966	Approp.	1	1	Prior 1900	Gravity; earth and rock dam with 0.6 mile of earth ditch.	Pormer owner: Sam Larry.
LLN/94-1001 (Shert 13)	C. A. Ball	Clark Creek	Irrig. Stock.	35 acros by flooding.	342**	Riparian	1	;	Prior 1900	Gravity; esrth and gravel dam with 0.3 mile of earth ditch.	Former owners Timmons, Uses indicated received supplemental supply from LLN/9W-15LL.
L11/9w-10R1 (Sheet 13)	C. A. Ball R. E. Richman	French Creek	Irrig. Stock.	106 acres by flooding*	661	Adjud.	0.21 cfs I	Div. 47A	About 1900	Oravity; certh and rock dam with O.7 mile of earth ditch.	Area irrigated received supplemental supply from a well.
Lin/94-11E1	C. A. Ball	Clark Creek	Irrig.	150 acres by flooding*	Not meas.	Riparian	1	ŀ	Prior 1880	Oravity; 0.2 mile of earth ditch.	Former owner: Pete KcBride. Uses indicated received supplemental supply from LIN/94-11F1.
LLN/9w-11F1 (Sheet 13)	C. A. Ball	Clark Creek	Irrig. Stock.	(*)	Not meas.	Ripertan	1	1	Prior 1880	Gravity; 0.2 mile of earth ditch.	Former owners Peta Achida. Supplamented th/9%-llEl for uses reported thereunder.
UlN/94-13E1 (:Aret 13)	Sumie N. Denny, et al.	Scott River	Irrig.	(*)	Nobe	Riparian	1	1	Prior 1887	Provity; gravel dam with 0.9 mile of earth ditch.	Former owners: McConnawhy, Paul Denny. Irrigated 102 acres jointly with LON/Sw-131 until 1958.
LIN/94-15A1	C. A. Ball 7. Serthelsen	French Creek	Irrig. Stock.	27 scres by flooding. 125 head	329	Adjud.	0.55 cfs c	01v. 1.7 ^d	Prior 1900	Gravity; earth and rock dam with a short 18-inch pipe and 0.8 mile of earth ditch.	Former cuners: F. Comes, Clark.
hW/9h-1531 (Sheet 13)	Н. лееп	French Creek	Irrib. Stock.	83 acres by flooding*	800°	Adjud.	2.09 cfs [Div. ևև ^d	Prior 1890	Oravity; earth and rock dam with 1.6 miles of earth ditch.	Former owner: J. Doll. Amount diverted irrigated an additional li6 scree jointly with $hiM/94-28hi$.
13 - Ja-1' !! (Shert 13	. F. dchman	French Cresk	Irrig.	286 acres by flooding and sprinkler 750 head	1,713*	Adjud.	l.53 cfs I	Div. 13d	1852	Oravity; earth and rock dam with 1.6 miles of earth ditch.	Portion of amount diverted supplemented LIN/94-1001 for use reported thereunder.
Liby + -21 il	Yorth Fork Ditch . A. Wall, et al.r	french Greak	Inth.	62R meres by Tooding, 1, and sprinklers	1,11924	Adjud.	7.32 cfs T	biv. 17 ^d	Prior 1880	Gravity; concrete dam 6 feet high, 75 feet lon; with 6 miles of earth ditch and two regulatory reservoirs.	Previously irrigated an additional 27 acres. Portion of amount diverted supplemented [28/y=282] (bins Subunit) for use reported thereunder. Received supplemental supply from [LIMIGA-261] (South Fork Subunit) until 1956.

[•] See remarks.
• For additional information see Appendix D
"Detailed Feachfrions of Cortain Surface
"Later IN Versions".
- Information not awainable.
For Insterned footnotee, see last page of taile.

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT TABLE 5 (Continued)

Diversion				Woter use in 1958		App	Apparent water right	right	indicated date of		
Location and Pighs 2 sheet number	Diversion nome and/or ownsr	Source	Purpose	Extent and methed of use	Amount diverted in ecre-feet	Type	Ameunt	Reference	prietien or first use	Osscription of diversion system	Ramorks
					CALLAH	AN SUBU	CALLAHAN SUBUNIT (Continued)	(penu			
A N FA-2.	dlean Ne Lolux	North Fork French Greek	Irrig. tock. Mining	13 acree by flooding (*)	Not meas.	Ad_ud.	0.12 cfs	Div. 18 ^d	Prior 1955	Gravity; log dam 4 feet high, 45 feet long with 0.7 mile of earth ditch.	Former cyners: U'Connell and Brown, Desorar, Shedion, Potter, Miles, Colis, Area Irrigated previously received supplemental supply from 41M/94-214. Previously supplied a placer mine.
10 % 96-21 . (Shert 13)	Oscar A. and Eulman G. Lolax	North Fork French Greek	Irrig.	(0)	Mone	Adjud.	U.ll cfs	Div. 19 ^d	Prior 1955	Gravity; 0.4 mile of earth ditch.	Porner Sympre: O'Connell and Brown, Decess, Shedion, Potter, Miles, Colia. Priviously supplemented 411/94-21PL
41N/W-224 Sheet 13	John H. and Eleanor French Greek A. Mason	French Greek	Irrig. Stock.	99 acrea by flooding 50 head	729	. Ad Sud.	1.42 cfs	Div. 23	Prior 1955	Gravity; rock and earth dam with 1.4 miles of earth ditch.	Former owners: brown, Jack Muson.
41%/ se-2242	bscar A. and Edlean H. Lolax	French Greek	Irrig. Stock. Mining	38 acres by flooding 16 head Placer	105	Adjud.	0.49 cfs	Div. 24	Prior 1955	Gravity; concrete dam with 0.6 mile of earth ditch.	rormer awnors: O'Connell and Brown, Lesassa, Solas, Shedion, Potter, Miles, Colla,
415 /W-22P1 (Short 13)	Elsie E. and William M. Cory	Miners Greek	Irrig.	25 acree by flooding	24.5	Adjud.	0.25 cfs	Div. 36 ^d	Prlor 1955	Gravity; earth and rock dam with 0.4 mile of earth dilch.	Former owners: Brown, M. E. Cory.
41% 're-24F1 (Sheet 13)	Suzze N. Denny,	Scott Maver	Irrig.	191 acres by flooding	Not meas.	Riparian	1	1	About 1909	Gravity; earth and Fravel dam with O.7 mile of earth ditch.	
(Sheet 13)	When Barnes H. A. Fisher D. H. Lefevers Wolford Brothers	Scott Miver	I Land	396 acres by flooding	2,405	Riparian	1	1	1870	Gravity; short 36-inch pipe with 2.4 miles of earth ditch.	Are irrigated includes 76 acres which were normally irrigated jounty with 4118/94-25Gi. Previously irrigated an additional 7 acres.
41H/9M-2531 (Sheet 13)	Wolford brothers	Scott diver	Irrig.	*	None	Kiparian	3 1	1	Prior 1958	Gravity; timber headgate with 0.2 mile of earth ditch.	Previoualy irrigated 76 acres jointly with 41N/9W-25Fl.
"15/94-2881 (Sheet 13)	Alliam W. Cory John N. And E.canor A. Mason H. Jreen	French Grook	Irrig. Stock.	65 acres by flooding 70 head	1,567	Adjud.	2.42 cfs	Div. 20	Prior 1955	Gravity; earth and rock dam with 4.4 miles of earth ditch.	Amount diverted irrigated as additional li6 acres jointly with $4.1N/94-156i$.
(Sheet 13)	Henry and May Aker	French Creek	Irrig.	5 acres by flooding (a)	19	Adjud.	0.11 cfe	Div. 13	Prior 1890	Gravity; log dam 2 fewt high, 15 feet long with 0.1 mile of earth ditch.	Former owners: Jackson, Fosberg, Munson.
415/74-34D1 (Sheet 13)	Kobert E. and Louise Lewis	Miners Greek	Irrig.	74 acres by flooding	159n	. Adjud.	1.22 cfs	Div. 33 ^d	Prior 1914	Gravity; rock and aund-bag dam 2 feet high, 200 feet long with 0.5 mile of earth ditch.	Former owners: Vanderpool and Lloyd, Tucker.

• See remarks
• Por additional information see [ppendix D
• Statical Descriptions of Certain Surface
• State Diversions
• Information not evaluable

For lathered footnoise, see last page of table

Location and Plots 2 shaet number				Woter use in 1958		i			dote of		
	Diversion name and/or owner	Source	Purpose	Extent and method of use	Amount diverted in ocre-feet	Туре	Amaunt	Raferanca	oppro- priotion or first use	Oescription of diversion system	Remorks
				_	OWINNELL		RESERVOIR SUB	SUBUNIT			
H D 0 4 K											
(Sheet 12)	Francia Solue	Springs tributary to Carrick Greek	Irrig. Stock.	20 acres by flooding lo head	Not meas.	Hiparian		:	Prior 1890	Gravity; 0.4 mile of earth dilch.	Former owners: Stone, Sullivan.
	Maybelle B. Milis	Carrick Creek	Irrig.	24 acres by flooding	393	Adjud.	1.10 cfs	Par. 278 ⁸	1853	Gravity; earth and rock dam with 0.2 mile of earth ditch,	Former owners: Jackson, Frank H, Mills. Mejorded water right, amount may be diverted all or in part by this diversion or 42M/5W-15M1.
(Sheet 12)	Haybelle B. Millo	Carrick Greek	Irrig. Stock.	37 acree by flooding 800 head	099	Adjud.	*	*	1853	Gravity; earth and rock dam with 0.2 mile of earth ditch.	Former owners: Jackson, Frank H. Mille. For water right details see 42N/5#-15Fl.
42N/56-16C1 (Sheet 12)	Maytelle B. Mills	Shasta River	Irrig.	8) acres by flooding	127	Adjud.	4.35 cfsh 1.00 cfs	Par. 285 ⁸	1853	Gravity; earth and rock dam with 0.6 mile of earth ditch.	Former owners: A. E. Rowe, Frank H. Mille. Subsequent owner: Mille Ranch Corp.
(Sheet 12)	Maybelle B. Mills	Shasta diver	irrig. Stock.	96 acres by flooding 800 head	3,426	Adjud.	1.50 cfe 0.25 cfs	Par. 274 ⁸	1853	Gravity; earth and rock dam with O.B mile of earth ditch.	Former owner: Frank H. Mills.
4.34/56-20A1 (Sheet 12)	Maybelle b. Hills	Shasta Miver	Irrig. Stock.	29% acres by flooding 800 hoad	2,361	Adjud.	1.45 cfe 0.25 cfg 3.50 cfg 0.25 cfg	Par. 2716 Par. 274 ⁸	1865	Gravity; earth dam with 1.2 miles of earth ditch.	Former owners: HcMahon, Frank H. Millo.
424/54-20Az (Sheet 12)	Maybelle B. Mills	Shasta River	Irrig. Stock.	24 acres by flooding 800 head	24.3	Ad jud.	0.60 cfs	Par. 270 ^R	About 1853	uravity; earth and rock dam with 0.7 mile of earth ditch.	Former owner: Anna C. McMahon. Previously irrigated an additional 3 acres.
(Sheet 12)	Samuel C. Jackson	Spring tributary to Carrick Greek	Irrig. Stock.	â	30 **	Adjud.	0.10 cfs	Par. 180 ⁸	1877	Gravity; earth dam with 0.2 mile of earth ditch.	Former owner: S. H. Jackson. Amount diverted supplemented 42N/5W-22Ll (Weed Subunit)
4.21/54-2+ (Shret 12)	Samuel C. Jackson	Carrick Greek	Irrig. Stock.	19 acres by flaoding 23 head	616	Ad Jud.	0.10 cfe	Par. 1798	1855	Gravity; board dam with 0.4 mile of earth ditch.	Former owner: S. H. Jackson.
(Shret 4)	Ellis J. Louis	Blg Springs	* 65 	399 acres by flooding	8,810#	Ad lud.	10.0 cls	Por. 234	1872	Gravity; concrete head;ate 4 feet high, 8 feet long with 4.6 miles of earth ditch.	Pormer ownerst A. J. Loude, Rose, John Loude, Journal Court, Borton of amount diverted oupplemented 13N/5W-5M2 and 13N/5W-9Q1 for uses reported threatender. Feported weter right amount may be diverted all or in part by this diversion or LN/5W-3M2.
4 X/64-3K. (Shoot 9)	Ellis J. Louie	Hiv Sprkings	I I I I I I I I I I I I I I I I I I I	31 acree by flooding	130	Ad Sud.	(a)	©	1493	Gravity; concrete headgate with 0.2 mile of rarch ditch.	Former ownors: Coomrod, Rose, A. J. Loude, Loude Brothers. Use indicated received applamental cuply from Lill/SH-3KL, For water right details see L3N/SH-3KL.

[•] See remarks
•• For additional information see Appendix D,

"Notalled Beariptions of Certain Surface
Water Diversions"

— Information not available
For lattered footnotes, see last page of table

TABLE 5 (Coninued)
DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion				Woter use in 1958		App	Apparent water right	right	Indicoted		
Location and Plots 2 shast number	Diversion nome and/or osner	8 OUTC	Purpose	Extent and method of use	Amount diverted in ocre-feet	Type	Amount	Reference	oppro priotion or first use	Oescription of diversion system	Ramorka
				DWINNELL		RESERVOIR	SUBUNIT	SUBUNIT (Continued)			
M 1 W A M 43% 'W=34. Sheet 9)	Ellis J. Louie	Big Springs	Irrig.	20 acres by Nooding	1,238	Riparian	3 6	1	1940	inavity; concrete head, ate with 0.7 mile of march ditch.	Portion of amount diverted supplemented LiN/54-901 for use reported thereunder.
43% 5W-3& Shret 4)	Cares a. Taylor	518 Springs	I I I I I I I I I I I I I I I I I I I	369 acres by flooding	1,799	Ad jud.	5.70 efs	Par. 365'	1903	Pump: 50-hp moter with 0.1 mile of pige and 3 miles of earth dirch.	Fruer waters: Januard Stailteup and Januard Stailteup and Januard Stailten and Additional to deress. Fortion of a ant divorted irrapated 52 acres jointly with 43N/54-23HL.
(Sheet 9)	Bir Strings Irrigation District	Dig Springs	*STATE	2,072 acres by flooding*	6,259	Adjud.	30.0 cfgk	Par. Mg	About 1913	(**)	Pormer vater: A. L. Hurlow, Previouely irrigated an idditional 60 arres
43N/54-5D1 (Sheet 9)	Sedrley D. Nelson	Shasta Mver	Irrig. Stock.	138 acres by flooding 300 head	0.470	Adjud.	1.20 Krsh 250 MI	Par. 2648 Vol. 7 ^t	1914	Nump; 25-ho motor with a short pipeline to 1.5 miles of earth ditch.	Former whers: Frank H. Gills, Maybelle B. Kills,
43%/5~502 (Sheet 9)	Sedrley D. Nelson	Shasta River	Irrig.*	*	None	Adjud.	1.10 efsm 0.25 efsm	Par. 331 ⁶	1899	Gravity, 1.3 miles of earth ditch.	Former where: western Group Scourzico Company, Angelo Salvadori, "Tr Brohers. Previously irrigated 46 acres in Grenda Subunit.
(Sheet 9)	Ellis J. Louis	Little Spring Creek	100 (1 (1 (1 (1 	213 acres by flooding	* 056	Adjud.	1.15 cf3k	Par. 237 ⁵	1892	Gravity; wood headsate with 0.3 mile of earth diteh.	Former owners: Simonde, A. J. Loule, Louis Brothers. Use indicated received supplemental supply from L31/54-311 and L31/54-311.
4331/54-1621 (Short 9)	Ellis J. Louis	Little Spring Greek	T I I	110 acree by flooding	240	Adjud.	1.95 cfs	Par. 2388	1900	Uravity; short 24-inch pipe to 1.0 mile of earth ditch.	horner owners; Simonds, m. J. Louie, Louie Brothers, Amount diverted prigated 110 acres jointly with L3N/5M-903.
1331/54-433 (Sheet 9)	Ellis J. Louie	Little Spring Greek	Irrig.	(*)	*017	Adjud.	0,50 cfs	Par. 236	1893	Gravity; concrete headsate with 0.2 mile of earth ditch.	former owners: Simonds, m. J. Louie, Louir Brothers, Amount diverted irrigated 110 meres jointly with 431/54-902.
(Sheet 9)	Ellis J. Louie	Hole-in-the Ground Greek	Irrig.	75 acres by flooding.	* 230	Adjud.	1.50 of a	Par. 2338	1893	davity; concrete headpate with 0.6 mile of earth ditch and concrete pire.	Former owners: Jim Dennis, Louie Spokhers. Previously irrigated 8 acres. Amount diversed irrigated an additional 65 acres jointly with J31/54w-1001. seported water right amount may be diverted all or in part by this daversion or 43N/54-15D1.

[•] See resarks
• Por additional information see Appendix D,
- Detailed Descriptions of Certain Surface
- inter Diversions
- Information out available
For Lattered footnotes, see last page of table

Diversion				Water use in 1958		App	Apporant water right	right	Indicated date of		
Location ond Plats 2 sheet number	Olversian nome and/or owner	Source	Purpose	Extent and method of use	Amount diverted in ocre-feet	Type	Amount	Reference	oppro- priotion or first use	Osscriptian of diversion system	Remorks
				DWINNELL		RESERVOIR	SUBUNIT (Continued)	(Continued)			
N D B & M				,							
6,3N/5W-10B1 (Sheet 9)	Ellis J. Louie	Littiv Spring Greek		103 acres by flooding	560*	Adjud.	4.00 cf 8 Par. 235R	ar. 2358	1891	dravity; 0.7 mile of 16-inch pipe and 250 feet of 18-inch pipe to 1.3 miles of earth ditch.	Former owners: Jim bennis, Louis Brothers, Amount diversed trrighted an additional 65 weres jointly with 438/56-941.
(334/5W-15D1 (3hrt 9)	bills J. Louis	Holm-in-the Ground Creek	Irrig.	5b acres by flooding	Not meas.	Adjud.	(u)	(%)	1893	Gravity; 0.2 mile of marth ditch.	for water right details are 433/5m-941.
438/44-15RU (Shret 9)	William M. Valentine, Jr.	Spring tributary to Shasta Alver	Table.	167 acres by flooding	Not meas.	Approp.	2,5th ofs A	Appl. 1809	Prior 1936	Gravity; 1.1 miles of earth ditch.	Amount diverted irrigated an additional 129 acres jointly with 43N/5n-23Hz.
(311/54-21B1	Walenting Vo.	Shasta Miver		452 acres by flooding	Not mess, Adjud.		1.85 cfah Par. 3838	hr. 3838	About 1870	Gravity; concrete dam 2 feet high, 4 feet long with 0.1 mile of pipeline and 1.6 miles of earth ditch.	Former owners: C. M. Meed, M. F. Michman, b. D. Terwilliger.
43H/54-22BI (Shevt 3)	Walentine, Jr.	Shata Mver	Irri	148 acres by flooding Not mnas.		Adjud.	0.25 efa	Pur. 382	About 1870	Gravity; concrete dam 2 feet high, 4 feet long with 1.6 miles of earth ditch.	former owners: C. M. Merd, M. E. Michman, L. D. Terwilliper.
431/5W-23111 (5hert 9)	James M. Taylor	Sprin- Tributary to Irrig.	Irrig. Stock.	478 acres by flooding	Not meas.	diparian	S 4	Ø 0	1924 1924	Gravity; 7.5 miles of earth ditch.	Forner swher: The Lichee Conjuny, amount diverse tree, to 52 orns jointly with 43%/50-384 and 29 acres jointly with 43%/50-1584 in addition to the reported area irrigated.
4.33/5W-25; (Sheet. 9)	Dvinnell Reservoir Montague Mater Conservation District	Shasta Alver	I the first	(* *)	13,588	13,588 Approp.	35,000 af Appl.3544° 22,000 af Appl.16507°	hppl.3544°	1927	(**)	(40)
43N/54-45MI (Sheet 4)	Marvin L. ind Inez I. Piller	Shusta Alver	TTT [b.	157 acres by flaoding	191	19f" Adjud.	2.55 offa 3.50 offa	Par. 356	About 1869	Gravity; Nock and concrete dam 4, feet high, 50 feet long with 3," riles of earth ditch.	horace where John revised by irritated an addith hal to works.
43N, 54 0A]	Nerneth King Harvin L. and Inez M. Miller cally S. auters	Shasta Marer	ITLE	24, acres by flouding	Not meas. Adjud.		2.55 cfsh Par. 7	Par. 72 ^E	About 1870	ordvis, or public with it	Former wanters c. d. and cary l. bennia, dather. Portion of amount diverted applemented lix//5x20cl for use reported thereunder.
(Jheel)	krancth kiny krijy S. Maters	Sprin s trkutury t Shusta idwrr	res res res res fee part	173 acres by floodings "ot	7 · 0 · 0 · 0 · 0 · 0 · 0 · 0 · 0 · 0 ·	Adjud.	o. 75 of at	Par. 738	988.	ditch, 1.9 mi cs of earth	by it where: and . ry c. bernin, adir. ra. Use indicated received aupplemental supply from 43M/54-26AL.

^{**} See Foranka information see Appendix D, Por additional information of Gertain Surface at the Threstone at a formation not as wat above the formation not as wat above the formation of a formation of a formation for a for

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TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion				Weter use in 1958		Appe	Apporent water right	right	Indicated date of		
Locotion and Ptote 2 sheet number	Olvarsign name and/or cwnar	Squicos	Purpose	Extent and method of use	Amount diverted In acre-feet	Туре	Amqunt	Reference	oppro- priction or first use	Description of diversion system	Resorke
				DWINNELL		RESERVOIR S	SUBUNIT	SUBUNIT (Continued)			
N P F Q				*	*	1			*1004	melan of any the care	Former owners: Mart. Cash, Lena, Reuben.
(3heet 6)	Charles J. Hesserall	Spring tributary t Shasta Miver	Irrir. Stock.	125 acres by sprinkler R 250 head	ot meas.	ruparian		1	1940	ditch to a small regulatory reservoir.	Uses indicated received supplemental supply from LLN/L4-1541.
(3heet 6)	Charles U. Resserall	Spring tributary to Shasta Hiver	Irrig. Stock.	(*)	Not meas.	rüperian	1	1	About 1940	Gravity, earth and rock dam with O.2 mile of earth ditch.	Former owners: Mart, Cash, Loma, Meuten. Supplemented LLW/LM-1501 for uses reported theraunder.
4mM/4m-16H2 (Sheet 6)	Aubrey I. Nunes	Springs tributary to Shasta diver	Irrig. Stock.	45 acres by flooding 60 head	166	Adjud.	*	*	1853	chavity; I mile of earth ditch and 0.6 mile of natural channel to a small regulatory reservoir.	Former owner: N. Cash. Uses indicated received supplied aupply from L4M/4/=28A1. Entitled to all water from the spring per court dealson 1652b dated October 22, 1957.
	Charies U.	Spring tributary to Shasta River	Irrig.	18 acres by flooding	Not meas.	Alparian	1	1	About 1940	Gravity; 0.2 mile of earth ditch.	Former owners: Hart, Cash, Lema, Weuben.
UUN/LM-28A1 (Sheet 6)	Aubrey I. Sunes	Spring tributary to Spring Greek	Irrig. Stock.	(*)	53	Riparian	1	1	About 1860	Gravity; I mile of earth ditch.	ronner owners: Hart, Joe I. Lemon. Supplemented dlw/lw-16Rl for uses reported tharaunder.
443744-22:13 (Sheet 6)	Donald and J. Coonrod	Spring Greek	Trrig.	232 acree by flooding and sprinkler 2 kv	1,635	1,635 Riparian	I	1	About 1858	Gravity; 0.3 mile of earth ditch and pipeline to the power plant and 2.1 miles of natural charnel and earth ditch to a regulatory reservoir.	Former owners: J. B. Roher, Churchill Company, Merd Junch. Power plant installed in 1936.
LUN;/54-20J] (Sneet 6)	Cloak Lake Charles T. and Ellen B. Drummond	Tributory to White Slough	irrig.	97 acres by flooding	92	Approp.	110 af	Appl.15687	1955	Gravity and storage; 0.8 mile of earth ditch.	Portion of amount diverted supplemented LLN/54-20Pl for use reported thereunder.
(Sheet 6)	Charles T. and Ellen B. Orumond	Charles T. and Ellen iributary to White B. Drumond Slough	©	118 acres by flooding*	1,069	Approp.	10 af	Appl.17639	1873	Gravity and storage; earth dam 10 feet hlgh, 250 feet long with 1.5 miles of earth ditch	Former owners: Museaus, Adeon and Foulke Company, Low Foulke, Frather, Javis. Use Indicated received supplemental supply from LLW/54-2011 and 2901. Ares of use is in Grenada Subunit.
(Sheet 6)	Toni Machado Louis Silva	runoff from irrigation	Stock.	150 head	Not meas.	(9)	I	1	About 1930	Storage; small earth dam to enlarge a natural lake.	Former owners: Fairchild, Quadros, big Springs Irrigation District.
(Sheet 6)	Sait Lake Charles T. and Ellen 5. Drummond	Tributary to White Slough	Irrig.	٤	*1999	Approp.	्र १ १	Appl.17639	1954	Gravity and storage; short natural channel	Amount diverted supplemented thN/5#-20Pl for use reported thereunder.

See remarks
 Por additional information see Appendix D,
 "Let illed bescriptions of Certain Surface
 "aker Diversions"
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-34-

Diversion				Woter use in 1958		App	Apporent water right	right	Indicated date of		
Location and Plote 2 sheet number	Olversion nome and/or owner	905000	Purpose	Extent and method of use	Amount diverted in ocre-feet	Type	Amount	Reference	oppro-	Oescription of diversion system	Remorks
					EAS	EAST FORK SUBUNIT	SUBUNIT				
NDB&M											
LON/64-8M1 (Sheet 17)	Rodney Greyg	Tributery to Cabin Meadow Creek	Irrig.	(0)	Not meas.	(a)	1	1	1906	Jravity; earth and rock dam 8 feet high, 30 feet long.	Amount diverted supplemented 41N/7W-16Hl and 41N/7W-16Fl.
40%/7%-7D1 (Sheet 17)	A. E. Richerdson	East Fork Scott	Irrig. Stock.	21 acres by flooding 16 head	10	Miparlan	:	1	About 1900	Gravity; earth and rock dam with 0.4 mile of earth ditch.	Former owner: Philo Phillips.
40%/74-711 (Sheet 17)	Charlee L. Rich	East Fork Scott Myer	Irrig. Domestic Stock.	15 acres by flooding (a)	830	Riparian	1	ŀ	Prior 1930	Gravity; earth and rock dam with O.2 mile of earth ditch.	
L.M/7W-7L2 (Shert 17)	Laurence Franklin	East Fork Scott	Irrig.	42 Acres by flooding 25 head	939	Hiparian	:	ŀ	About 1875	Gravity; gravel and timber dam with i.0 mile of earth ditch.	Former owners: bill Snyder, Knight.
4 18/7m-8H1 (Sheet 17)	Charles L. Mich	Kangaroo Creek	Irrig. Stock.	95 acres by flooding 100 head	772	diporten	1	ŀ	1920	Gravity; Parth and rock dam with 2.1 miles of earth ditch.	Former ownero: Dave Rosero, Johansen wong, Skeets, Malght, C. W. Peterson. Previously irrigated an additional ll acres.
4.3N/7W-13A1 (Shret 17)	Rodney dreng	dock Fence Greek	Irrig.	(*)	Not meas.	(e)	1	į	About 1906	Jravity; earth and rock dam 8 feet high, 30 feet long.	Amount diverted supplemented 41N/7W-28MI and 41N/7W-21Pl.
(Sheet 17)	Carl McConnell	Nangaroo Lake	T. F. B.	*	Not meas.	(9)	1	-	Prior 1900	Gravity; earth and rock dam 24 feet high, 80 feet long.	Former owners: K. C. Crawford, Jan Parker, Parker Company, Knoop, Drucker. Anount diverted oupplemented ALW/7W-204L, ALW/7W-304L, 4LW/7W-30AL, and 4LW/8W-36Al.
LON/74-18C1 (Sheet 17)	Mrs. d. S. Normon	East Fork Scott Miver	Irrig.	. (*)	None	(p)	1	1	Prior 1958	Jeavity; earth and log dam with 0.4 mile of earth ditch.	Previously irrigated 11 acres.
(Sheet 17)	Laurence Franklin	East Fork Scott	Irrig. Stock.	12 acres by flooding	617	Riparian	}	1	1942	Uravity; gravel dam 2 fret high 40 feet long with 0.2 mile of earth ditch.	
(Shret 17)	Laurence Franklin	Grouse Creek	Irrig. Stock.	18 acres by flooding	147	Approp.	ı	1	About 1900	Gravity; gravel dam 3 feet high, 30 feet long with 1.5 miles of earth ditch and natural channel.	Former owners: Snyder, Vaughn, Witherow. Knight.
LON/8W-2B1 (Shmot 16)	Merva K. Hayden	Moyme Valley Creek	Irrig.*	(*)	None	Kiparlan	1	1	Prior 1870	Uravity; earth and timber dam with a short earth ditch.	Former owner: Franklin N. Hayden. Previously irrigated 12 acres.
40N/8W-2B2 (Sheet 16)	Merva M. Mayden	Moyee Valley Greek	Irrig.* Stock*	(a)	None	Kiparlan	ł	1	Prior 1870	Uravity; earth and timber dam with a short earth ditch.	Former owner: Franklin N. Hayden. Previously supplemented 41%/84-3431.
LON/8W-2C1 (Sheet 16)	Herva M. Hayden	Hoyrs Valley Greek	Irrig. Stock.	28 acres by flooding 75 head	180	Kiparian	8	1	Prior 1875	Gravity; earth and rock dam with 1.7 miles of earth ditch.	former owners: John Willie, Corman, Gasaway, Masterson.
40N/6W-13L1 (Sheet 16)	Frank J. Mayden	East Fork Scott	Irrig. Stock.	9 acres by flooding 100 head	595	Approp.	1.25 of@	Appl.1492°	Prior 1920	Gravity; rock dam with 1.6 miles of earth ditch.	Former owner: Masterson.

[•] See remarks

• Por additional information see Appendix D,

• Detailed Descriptions of Certain Surface

• Mater Diversions*

• Information not swaltable

• Information not swaltable

• Por lettered Cotnotes, see last page of table

Diversion				Woter use in 1958		App	Apparant water right	right	Indicoted dote of		
Locorion and Plots 2 shast numbar	Oversion nome ond/or owner	Source	Purpose	Extent and method of usa	Amount diverted in ocre-feat	Туре	Amount	Reference	oppro- priotion or first use	Description af divarsion system	Remorks
					EAST FORK	K SUBUN	SUBUNIT (Continued)	ued)			
1											
	Frank J. Hayden	hoye Valley Creek	Irrig.	(*)	None	/iparian	ŧ	1	1900	Gravity; earth and timber dam with U.3 mile of earth ditch.	Former owners: Masterson, rreviously irrivated 20 acres.
Short of	A. B. Anyden	Ent Firk south	Irrig.*	() () () () () () () () () ()	None	Kiparian	ì	1	Prior 1958	Gravity; warth dam with 0.1 mile of earth ditch.	rreviously arrigated 13 acres.
3000 (5)	brrva Haydrn Hazvl wens	MASE FORK SCOLL	Irrig. Stock.	56 acres by flooding L.x. head	2,04,	rti parı an	# 1	1	1860	revily; rock dam with 1.5 miles of earth ditch.	rommer ownerst Calaham, White, Houride, Cenny, Blackburn, Hayden Bruthers, A. M. Hayden.
(a) n=.2t.	. frwy tar lton	Taylor Creek		*	*83	diparian	1	1	1870	Gravity; warth dam with a short earth ditch.	Former , where: Taylor, Huchette, Schraus, Amount diverted supplemented $400/8\pi = -72.2 z_{\odot}$
(3hit 5)	Moduley Hamilton	Jaylor Creek	Irrig.	6 acres by flooding	140	diparian	1	1	Prior 1870	uravity; earth dam with a short earth ditch.	conner owners: Taylor, Murhette,
(Jh ot 16)	wodney Hallton	Taylor Cruck	irm.	26 acres by flooding	289	diparian	1	1	1870	oravity; earth dam with 0.4 mile of earth ditch.	Former waters: Taylor, Hurbette, Schramm, area irrigated received supplemental supply from 4.3N/8M-22F1 and 4.0H/8M-35E1.
4: N-22r1 (5: 1 -6)	Modney Hari ten	Trylor Groek	Irrig.	\$6 acres by flooding	02.1	Kiparian	* 1	d B	1870	Gravity; earth dam with 0.5 mile of earth ditch.	rormer whers: Taylor, Hughelto, Schrums, Area arrigated received supplemental supply from 408/84-35E1.
(Shoot it)	brink J. Hayden	inst fork Scutt River	Irrig. Stock.	34 acres by flooding 75 head	1,497	Kiparian	1	4	Trior 1870	Gravity; warth and rock dum with 0.4 mile of earth ditch.	Former owner: Jasterson.
(3hort 16)	fr. nk J. daylen.	dig Mule Creek	Irrig. Domestic Stock.	7 acres by flooding (a)	634	diparian	1	f	Prior 1860	Gravity; log and rock dam with 0.3 mile of earth ditch.	Porner owner: Masterson.
, J, 4-15a)	codney Hamilton	Little Will Grock		(0)	170	(9)	\$ 9	ę ę	Prior 1870	dravity; earth and rook dam with 0.5 mile of earth ditch to Taylor Greek and 1.5 miles of natural channel to rediversion points.	Former owners: Taylor, Hurhelto, Schrusm. Amount diverted supplemented 4 N/84-22L2 and 40N/84-22P1.
41 iy Ta-11r1 (Sh. et. 14)	: rl GeConnell	Last Fork Scott River	Irrix	(#)	Wot mess.	(a)	1	;	Prior 1958	Gravity; earth dam with a short earth disch.	Amount diverted supplemented 41%/7%-11GL.
(Sheet 14)	Carl EcConnell	Mountain Rouse Creek	Irrag.	56 acres by flooding	Not meas.	(a)	1	8	Prior 1958	Gravity; earth and rock dom with U.7 mile of earth ditch.	Area irrigated received supplemental supply from (ALM/7m-11F).
41%/74-1431 (Shirt 14)	C.rl KcConnell	Fork Scott diver	Irrig.	4J acres by flooding	Not meas.	(9)	-	ì	Prior 1958	Gravity; earth and gravel dam with 0.7 mile of earth ditch.	
4 N/74-14D! (Sheet 14)	ilodney ure	Tribut ry t. List For 3 at alver	17777	12 acres by flooding	108	Alparian	1	1	About 1945	Gravity; carth and rock dum with 0.2 mile of earth ditch.	Pormer owner: Wibbons.

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-36-

Diversion				Woter use in 1958		Αρρο	Apporent water right	right	Indicoted date of		
Location ond Plate 2 shaet number	Diversion nome ond/or owner	Spurce	Purpose	Extent and method of use	Amount diverted in ocre-feet	Турв	Amount	Reference	appro- priotion or first use	Description of diversion system	Remorks
				EA	EAST FORK SUBUNIT	SUBUNIT	(Continued)	(P6			
MDB&M											
	Modney Urenge	Houston Creek	Irrig.	9 acres by flooding	8	Kiparian	ŀ	1	About 1870	pravity; curth and gravel dame with 0.2 mile of earth ditch.	rother owner; Ulthon.
41N/7m-15F1 (Sheet 14)	Modney Gress	East Fork Scott Klynr	Irrig. Stock.	131 acres by flooding	2,10 %	rd part un	1	1	Apout 1890	oravity; rarth and lor dam with 5.0 miles of earth ditch.	Former warmer: withouts. Portion of amount diverted irritated 30 ecres jointly with LIN/74-16F1.
4,1N/7W-16H1 (Sheet 14,)	Modney Greege	East Fork Scott	Irrig.	13 acres by flooding	8	tiparian	1	1	88 61	uravity; earth dam with a short 30-inch pipe and 0.1 mile of earth ditch.	Use indicated received supplemental supple from 40N/64-8M1.
413/7W-16F1 (Sheet 14)	Carl McConnell	East rork Scott River	Frailg.	17 acres by flooding	Mot oras.	<u> </u>	}	1	Prior 1958	iravily; earth dam 3 feet high, 100 feet long with 4.8 miles of earth ditch.	
(Sheet 11.)	Rodney Grenz	East Fork Scott	. Brail.	50 acres by flooding	*09	Kiparian	ŀ	p 2	About 1888	Gravity; earth and gravel dam 3 feet high, 100 feet long with 0.9 mile of earth ditch.	Andread receive a updated. Use indicated receive a upplementa, surily free, a William 1, Porthon of amount diversed arrigated an additional 38 acres jointly with the JFF.
41N/7W-18G1 (Sheet 14)	Carl McConnell	Readow Julch	Irrig.	72 acres by flooding 1	Not meas.	(q)	}	;	Prior 1958	Gravity; earth dom with 400 feet of earth ditch.	
4.1N/7M-19M1 (Sheet 14.)	Carl McConnell	Mesdow Julch	Irrig.	22 acres by floading	Not meas.	(a)	ŀ	!	Prior 1958	Gravity; earth dam with 0.1 mile of earth ditch.	Use indicated received supplemental supply from AIM/7W-19Nl.
41N/7W-19N1 (Sheet 14)	Carl McConnell	Meadow Aulch	Irrig.	(#)	Not meas.	(2)	!	;	Prior 1958	Gravity; earth dam with 8 short sarth ditch.	Amount diverted supplemented ADM/7M-19M1 for use reported thereunder.
41N/7m-20H1 (Shret 14)	Carl McConnell	East Fork Scott	Irrig.	308 acres by flooding	Not meas.	(9)	1	}	Prior 1958	bravity; earth and gravel dam with 2.5 miles of earth ditch.	
41N/74-20H1 (Shret 14)	Carl McConnell	imil Creek	Irriga	It acres by flooding	Not meas.	(a)	1	1	Prior 1958	uranty; earth and travel dam	Area urrigated received supplemental supply from 401/7m-14Al.
41%/7W-21C1 (Sheet 14)	Modney irens	East Fork Scott	Irrig.	(4)	10.8	raparian	}	t	1956	Gravity; earth dam with a short earth ditch.	Amount diverted supplementyd 41%/74-28H1.
(Sheet 14)	Modney iredg	Rail Creek	Irrig.	6 acres by flooding	Not meas.	(a)	1	1	Prior 1900	Gravity; rock dam 3 feet high, 20 feet long with 0.6 mile of earth ditch.	Area irrigated receiv d supplemental supply from 40N/74-13A.
(Sheet 14)	Rodney Greek	nail Creek	Irrig. Stock.	20 acree by flooding	10	Approp.	1	;	Apout 1866	Gravity; earth and rock dam with 7.0 miles of earth ditch.	Former owner: Grawfrd, wree rrhated received supple ental amply from 43N/7m-15Al and 41N/7m-21Cl.
4111/70-30A1 (3hert 14)	Carl McConneil	East Form Scott	Irrig.	238 acree by flooding Not meas.	Not meas.	(a)	1	1	Prior 1958	Pruvity; earth and gravel dam with 3.7 miles of earth ditch.	area strigated received supjic antal supply from $4.38/74^{\mu} L_{\rm f} RL_{\rm i}$

• See remarks
• For additional information see Appendix D,
• Por stated beactipations of Certain Surface
Maker Divorsions
• Information not evaluable

For lattered footnotes, see last page of table

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT TABLE 5 (Continued)

OIVEFSION				Water use in 1958		Aop	Apparent water right	right	indicated date of		
lacation and Plate 2 sheet number	Oiversion nams and/or awner	Source	Purpose	Extent and methad of use	Amount diverted in acre-feet	Туре	Amount	Reference	oppro- priotion or first use	Osscription of diversion system	Remorks
				w w	I EAST FORK		SUBUNIT (Confinued)	ed)			
20 B B B B B							_				
LlN/74-30M2 (Sheet 14)	Carl McConnell	East Fork Scott River	Irrie	6 seres by floodings	Not meas.	(0)	ŀ	;	Prior 1958	Gravity; earth and gravel dam with 0.1 mile of earth dittr.	Ares irrigated received supplemental supply from LCM/7W-1LA1.
L1N/89-23C1 Sheet 1L)	Dudley - Parker Ranch	Noyas Valley Creek	Irrig.	18 acres by flooding	Not meas.	: Uparian	1	1	About 1930	Gravity; earth dam with 0.4 mile of earth ditch.	tormer owners: Pitt prothers.
L1%/8%-2302 (Sheet 14)	Dudley - Parker Ranch	Noyes Walley Greek	Irrig. Stock.	148 acres by flooding 500 head	Not meas.	Mparl an	1	ł	1900	Gravity; earth dam with 0.7 mile of earth ditch.	Former awners: Filt Brothers
ulw/8n-25Al (Sheet 1L)	Carl McConnell	Meadow Gulch	Irrig.	17 acres by flooding,	Not meas.	(p)	1	ŀ	Prior 1958	Gravity; earth dam with 0.2 mile of earth ditch.	
L13/86-31A1 (Sheet 14)	Dudley - Parker Hanch	Noyes Valley Greek	Imig.	29 acres by flooding	Not meas.	Riparian	d q	ł	About 1870	Gravity; earth dam with 0.7 mile of earth ditch.	former owners: ritt brothers
Lls/c=3LJ (Sheet 1L)	herva M. Hayden	Moyes Valley Greek	Irrig.* Stock.	8 acres by flooding* 50 head	130	Riparian	i	1	Prior 1870	Gravity; earth and timber dam with 6.3 mile of earth ditch	Former owner: Franklin H. Hayden. Area irrigated previously received supplemental supply from \$40%/64-252.
(Sheet 1L)	Nerva M. Hayden	Nayes Valley Creek	Irrig.*	*)	None	Riparian	ŧ	;	Prior 1870	Gravity; earth and timber dam with 0.2 mile of earth ditter.	Former gener: Franklin H. hayden. Freezously arrigated 6 acres.
LIN/84-36Al (Sheet 14)	Carl McConnell	East Fork Scott	Irrig.	59 acres by flooding*	Not meas.	Riparian	:	1	Prior 1958	Gravity; gravel dam with 0.7 mile of earth ditch.	Area irrigated received supplemental supply from LOW/7~LLA1.
(3)eet 11)	Clyde E. Fowler	Enst Fork Scott River	Irrag. Domestic Stock.	31 acres by flooding (a)	722	Miparian	1	ł	About 1885	Gravity; earth and gravel dam 2 feet high, 100 feet long with 1.0 mile of earth ditch.	rormer owners: oweet, termett.
111/8%-36F1 (Sheet 11)	Clyde E. Fowler	East Park Sectt River	Irrig.	21 acres by flooding	371	Kiparian	0 0	1	Prior 1900	Gravity; earth and pravel dam	Former owners: Jeet, Bennett.
					EDD	EDDY CREEK SUBUNIT	SUBUNIT				
L1N/5W-21F1 (Sheet 15)	Dwight amond	Springa tributary to Dale Greek	Irraf.	acres by flooding	20	Uparian	8	ł	Prior 1910	iravity; earth dam with U.2 mile of earth ditch.	romer owners J. Durney, C. J. Harmond
413/50-2141 (Sheet 15)	Dhaitht narmona	Shasta Hiver		67 aerru by floodings	574*	Adjud.	0.50 efs	rar. 80F	1875	Gravity; earth and rock dam 1.> feet hayn, 6 feet lon with 0.) mile of earth diter.	rormer cantris: Daydacon, v. ii. Dobxing- rortion of acount diverted irrigated an additional 96 acres jointly with all/y4-21a2 (meed Jountly).

[•] See remarks.
• For additional information eee Appendix D "Petalled Descriptions of Certain Surface "letter Diversions".
• Information not available.
For lettered footnotee, see last page of table.

Oiversion				Water use in 1958		Ape	Apparent water right	right	Indicated date of		
lacetion and Plote 2 sheet number	Diversion name and/or awner	Source	Purposs	Extent and method	Amount diverted in acrs-fset	Туре	Amount	Refarence	opero- priation or first use	Description of diversion system	Remorks
					DY CREE	K SUBUN	EDDY CREEK SUBUNIT (Continued)	(pen			
五 の で が の に か						_					
(Sheet 15	Dwkrht hammond	Shasta diver	I TT I K	*	None	Adjud.	0.30 cfs ^h Par. 23 ^R	Par. 23 ⁶	1901	Gravity; esrth and rock dam 1.5 feet high, 6 feet long with 1.2 miles of earth ditch.	Former owners: J. Durney, C. S. Harmond. Previously irritated 35 seres jointly with LUM/54-3411.
LIK/5W-28MQ (Sheet 15)	Stuart Harmond	Tributary to Chasta River	- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1-	55 acres by flooding*	170*	Riparian	1	1	7161	Gravity; earth dam 2 feet high. 6 feet long with O.4 mile of earth ditch.	Former owners: J. Durney, C. J. Harmond. Anount diverted received supplemental supply from 413/5/4-3381, -3382, and -3301.
LIS/W-3381 (Sheet 15)	Stuart lamond	Shasta Hiver	Irrip. Stock.	(*)	1,435	Adjud.	1.31 cfsh par. 216	Par. 228	1890	Gravity; earth dam 2 feet high, 6 feet long with 0.2 mile of earth ditch.	Formur owners: J. Durney, C. S. hammond. Amount diverted supplemented therewell \$\frac{1}{4}\lambda\rangle\setminus\rangle} \frac{1}{4}\lambda\rangle\setminus\rangle} \frac{1}{4}\lambda\rangle\setm
LLN/5W=3382 (Sheet 15)	Stuart Harm.	Shasta River	Irrie.	(*)	351#	Adjud.	0.64 cfsh	par. 228	1886	Gravity; earth dam 2 feet high, 6 feet long with 0.1 mile of earth ditch.	itemarks for LLM/5M-33Bl Apply.
L1V/5W-33C1 (Sheet 15)	Stuart Hammond	Spring tributary to Shasta Mivor	Irrig.	(0)	3609	Alparian	1	:	Prior 1900	Gravity; 0.2 mile of earth ditch.	Remarks for Llh/5@=3381 apply.
Jh/Sw-Julle (Import) (Jaset 15)	North Fork Ditch Swight and Stuart Hammond	North Fork Sacramento River	E E	471 acres by flooding	1,572	Approp.	15.0 cfs	Appl.11281 ^c	1949	Gravity; concrete dam 1 foot high, 12 feet long with 7.7 miles of earth ditch.	Foint of entry into Shasta-mout hydrographic fort. Area irrigated includes 35 acres normally irrigated joantly with hix/5%-27Ml.
					. ш _	ETNA SUE	SUBUNIT				
(Sheet 13	City of Etna	Etha Greek	Munic.	256 connections	Not meas.	(9)	ŧ	ţ	Pro or 1958	Gravity; rock and steel dam with 2.0 miles of 18-inch pipe.	Supplies community of atma.
124/9 → 341 Sheet 10)	Jadys ayden Jehn T. Jenner	Patterson Creek	Irri	9)	None	Riparian	1	1	Prior 1900	Gravity rock and earth dam with a abort 10-inch pipe.	Former owners: Sam Lutrull, Frank Johns, in 1959, the 71 seres normally served by this diversion were irritated by L2H/9w-hd and u2 //9w-931.
12./1 1	L incent	Patterion Greek	Irrk.	333 acres by Clooding. Lot prad	317, 10	ld partlan	1	ì	Prior 1898	.ravity; rock and earth dam	Uses indicated received supplemental aupply from 428/9**-501. Theres of are irrigated are normally irrigated by 424/9**-344.
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• For additional information see Appendix ...

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"After Diversions".

--- Information not available.

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TABLE 5 (Continued)
OESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion				Water use in 1958		App	Apporent water right	right	Indicated date of		
Location and Plate 2 sheet number	Oversion name and/or awner	Source	Purpose	Extent and method of usa	Amount diverted in acre-feet	Type	Amount	Referencs	sppro- priotion or first use	Description of diversion system	Remorks
							:				
					ETNA	SUBUNIT	(Continued)	î.			
1. W -7 F. J. (C. Part. 1.)	Let nd Young	'atterson Greek	Irrig.	33) acres by flooding *	1,353	Approf.	l	1	1870	dravity; rock dam 1.5 feet high 30 feet long with 2.0 miles of earth ditch.	Former owners: Soutre Alison, Staff Alison. Proviously Prigated an additional 16 ocres, orea influed required supplemental supply from 4211/94-741.
(Shore .)	to I our or	diters r Creek	lrrig.	(4)	**************************************	Approp	1	ı	1'rior 1870	ravity; rock dam feet high 30 feet long with 1.0 mile of earth ditch.	Porrer owners: Soulre Allson, Staff Wilson. About diverted supplemented 420/98-7F1 for use reported thereunder.
4 7 M-P41	reack Siranon	atterson Creek	Lrrig. Stock.	125 acres by floading 90 head	227n	Approp.	ł	1	1872	Bravity, ruck dam 2 feet high, 15 feet long with 1,0 mile of earth ditch.	Former camers: d. Lavidson, John Signons.
(Shret 10)	Trade	Patterson Creek	til. rel Su Su Er		Not mras.	Approp.	1	1	Prior 1958	pravity; rock and timber dam with 0.4 mile of lo-inch pipe.	Former owner: Newton, Previously irrigated an additional 43 acres.
(Sheet 10)		Vatterson Creek	Irrig. Stock.	152 acres by flooding 200 head	225	dparian	1	1	Prior 1900	with i.3 miles of rarth ditch.	Former owners: Add Estes, Calvin dall, (dy bler. Portion of amount diverted supjemented h2%/%inlin for use reported thereunder.
12 - 15/ 500 - 1. 3	The Care of the Ca	Crystal Creek	Irrig.	(*)	# <u>%</u>	ığparian	1	t t	rrior 1914	bravity; carth dam 2 feet high, 12 feet long with 0.2 mile of carth ditch.	Amount diverted supplemented 42%/9m-17H2 for use reported thereunder.
() Ju-17HL ()	Fr. sConnell	Crystal Croek	\$ (2.0) -1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	167 acres by flooding* Not meas, Approp.	Not mess.	Approp.	1	1	1900	ravity; concrete dam ² 5 feet hin, 24 feet lan with 75 feet of 12-irch ipe and 0.5 mile of werth ditch.	former centers: 43 son, bluney, Compbell, Johnson. Use indicated received suplementary supply from L2N/94-17M1. Same dam also serves L2N/94-17H2.
145 - M- 742	40 Tr. American	Urys'al Creek	irrir.	176 nores by flooding ⁶ 5 head	u [†] /?°↑	ispurtan	1	1	Tior	irwity; concrete dam" 5 feet high, J, Feet long with 3.2 mile of warth ditch.	Previously irrigates an additional 38 acres. Received supplemental supply from u2x/94-1621. Same das also serves L2N/94-17H1.
. 3, 46- 7. January 2.)	oar sconell	Crystal Crwrk	12 12 12 13 13 13 13 13 13 13 13 13 13 13 13 13	6,7) tend	Not meas.	Appros.	1	1	1,900	drawith; concrete and timber drawith 1.0 mile of 12-inch lpc.	Forser Samers: alison, Ainney, Campbell, Johnson. Portion of amount diverted auptomented dixA/y=17Hl for use reported thereunder.
(3h-4)	LAT 4' FULL , I of WILL	Crystal Creek	Irri.	So head	95 u	(9)	i	i i	Prior 1914	woulty; con rete and timber ham with 0.3 mile of worth ditch and a small resultatory reservoir.	Summons. c. V. Green, John Summons.
, , , / pd-2 ; , , , , , , , , , , , , , , , , , ,	1, 1,05,7 reto	S restratory to	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N, norrs by Elbakir. (a)	Not	(a)	ì	1	17101 1910	routly; corth dan 12 feet hith 75 feet, ong with 3.4 mile of 6-, 6-, and <-inch pipe.	Former senera: t.las waith, bunnett Conpuny.

[•] Sie resarks
• For additional information-see Appendix D,

"Details descriptions of Certin Surface
Water Diversions.
- Information not available

Por Lettered footnotes, see last page of table

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Operation				Woter use in 1958		Ασο	Accorded water right	right	Indicated date of		
ond Plate 2 sheet number	Olversion nome ond/or owner	• 02.700 <i>S</i>	Purpose	Extent and method of use	Amount diverted in ocre-feet	Type	Amount	Reference	oppro- priotion or first use	Description of diversion system	Remorks
H 5 8 8					ETNA	SUBUNIT	ETNA SUBUNIT (Continued)	3)			
L2N/9W-22R1 (Sheet 10)	Wagner Brothere	Etna Greek	Irrik.	79 acres by flooding*	701",n	701", n Riparian	1	8 9	Prior 1900	Gravity; earth and rock dam with 0.3 mile of earth ditch.	Former owner: Korgan. Dec indicated eupplemented by L2N/94-32Rl.
12N/94-2611 (Sheet 10)	F. Douglan Horn	Scott River	Irrig. Stock.	6 acres by eprinkler	7	Riperlan	8 8	.	Prior 1930	Pump; 40-hp ateam engine with a short 4-inch pips.	Former owners: Hughes, Eller, Halfd. Previously irrigated an additional 1) acres.
L2H/9W-27F1 (Sheet 10)	F. Douglee Horn	Etne Creek	Irrig.*	3	Nono	Approp.	:	1	About 1880	iravity; rock and gravel dam with 0.3 mile of earth ditch.	Former owners: Hughot, biller, taird. Previously irrigated 272 acres Jointly with 42%/94-27M1.
L2H/94-27M1 (Shert 10)	F. Douglas Horn	Etna Crock	Irrig. Domestic Stock.	272 ecres by flooding* (a) 50 head	05	Approp.	:	!	About 1880	Gravity, gravel dam with 1.0 mile of earth ditch.	Former owners: Huphes, killer, Baird. Area te normally irrigated jointly with L2N/9M-27F1.
L2N/94-28C1 (Sheet 10)	Carl Hammond	Johnson Creek	I rrig	(*)		Riparian	1	\$ 1	Prior 1912	Gravity; earth and timber dam 3 feet hiph, 10 feet long with ehert earth ditch.	Former owners Matt Smith. Previously irrigated 18 acres.
L2N/974-28J1 (Sheet 10)	Wagner Brothers	Etna Creek	Irrig.	63 acree by floodings 50 head	919 ⁿ	Ripurian	å I	1	Prior 1900	Greatty, earth and rock dam with 1.h miles of earth ditch.	Former owners Hughes. Previously irrigated an additional 64 acres.
42N/94-2841 (Sheet 10)	W. J. Halliday	Etna Croek	* Ch 	197 acree by flooding*	-	Approp.	ī	1	Prior 191L	Oravity; rock dom with 1.1 miles of earth ditch.	Former owners Feldy. Use indicated received supplemental supply from LIM/Par2NI (Cellahan Subunit). Previouely irrigated an additional 272 across.
12N/94-2961 (Shert 10)	Carl Hammond	Johnson Croek	Irrig. Domestic Stock.	235 acres by flooding and sprinkler* (a)	009 v	Ri pari an	i	!	Prior 1912	Gravity; earth and rock dam 2 feet high, 12 feet long with 1.0 wills of earth ditch and 3,300 feet of 12-inch and U-inch pipe.	Former owner: Matt Smith, Use indicated received supplemental eupply from L2M/Sm-29H1.
L2N/94-2952 (Shert 10)	J. R. McNames	Johnson Creek	Irrik. Stock.	122 acres by flooding 50 head	83n	Riparian		1	Prior 1900	Gravity; earth and timber dam with 0.1 mile of earth ditch and 0.3 mile of 8-inch pipe.	Former owners: John Valin, Stanley, Campbell,
L2N/9W-29H1 (Sheet 10)	Carl Harrond	Johnson Creek	Irrige.	(*)	Not mese? Riparian	Riparian	:	i	Prior 1912	Grevity; eerth and rock dam	Former owner: Matt acith. Anount diverted supplemented L2H/9#-2931 for use reported thereunder.
L2M/5W-32R1 (Sheet 10)	Eina Mill Oitch Wagner Brothere	Etma Creck	Irrig. Stock.	350 head 2,991 "'n Riparian	2,992*,1	Riparian	\$ 8	9	Prior 1860	Gravity; rock and earth dam 2 feet high, 25 feet long with 3.7 miles of earth ditch.	Former owners Morgan, Provioualy irrigated an additional 3 acres. Portion of amount diverted emplanemied URINS4-2211 for use reported thereunder.
L2N/vW-33E1 (Sheet 10)	Kenneth Depew	Ana Creek	Irrif Stock.	23 acree by flooding	211 ⁿ	9	1 8	b 1	About 1882	Gravity; earth and rock dam 1.5 feet high, 30 feet long with O.L mile of earth ditch.	Former owners: Hyde, A. A. Eller.

e See remarks.

Por additional information see Appendix D
"Detailed Descriptions of Cortain Surface Maker Diversions".

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For lettered footnotoe, see last page of table.

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN SMASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT TABLE 5 (Continued)

Diversion				Water use in 1958		Appe	Apporent water right	right	indicated date of		
ond ond Plats 2 sheet number	Olversion name ond/or onsr	Source	Purpose	Extent and method	Amount diverted in ocre-fast	Type	Amount	78 % % % % % % % % % % % % % % % % % % %	oppro- priotion or first use	Description of diversion system	Remorks
2					ETNA	T SUBUNIT	T T T T ETNA SUBUNIT (Continued)	(pa			
	b. F. Davidson	Kidder Creex Slowth Irrig.		335 acres by sprinkler Not meas. Approp.	Not meab.		2.5 cfs	Appl.16536	1955	Pump; LO-hp meter with a short 5-inch pipe.	
u3 ~~~?%1	Glendenning Brothers	Kidder Creek	Irrig.	309 acres by flooding	Not meas.	Riparian	ŀ	1	About 1852	Gravity; O.4 mile of earth ditch.	Former owners: William and Thomas Glendenning, J. A. Glendenning.
u3N/9m-3141 Sheet 7)	Thomas V. Huddle	Kidder Creek	Irrig. Stock.	265 acres by flooding. 150 head	109u	Riparien	1 1	1	Prior 1921	Gravity; earth and rock dam 2 feet high, 20 feet long with 0.8 mile of earth ditch.	
L3N/5x-31D1 (Sheet 7)	Manley M. Fridon	Kidder Greek	Stock.	22L acres by flooding*	297*	Approp.	1	å (Prior 1900	Gravity; earth and rock dam with 3.0 mlass of earth ditch.	Former owners: Lewis, Finwall, Area irrigated is located in Lower Scott discreted supplemented LiN/S+-17/1 (Lower Scott Valley Subbutt, for use reported therewader.
131/7m-3301 (Sreet 7)	Thomas V. Huddle Ray Taylor	Springs tributary to Scott River	Irrig.	16 seres by flooding 1	None	Riparian	ł	1	rrior 1900	Gravity; timber dam with 0.2 mile of earth ditch.	Former owners: Ed walke, John Valin.
(Sneet 7)	John Jenner	Patterson Creek Slough	Irrif. Stock.	242 acres by flooding 100 head	210	Riparian	:	1	1942	Pump; gasoline engine with O.k mile of earth ditth.	
1331/94-314-2 (Sheet 7)	John 7. Jenner	Patterson Creek Slough	Irdr. Stock.	12 acres by flooding 100 head	Not meas.	Riparian	1	1	1920	Gravity; concrete dam i feet high, 12 feet long with 0,3 mile of earth ditch.	
L3N/10w-35R1 (Sheet 7)	Sarker Ditch Thomas V. Huddle, et al. T	Kidder Creek	Irrir. Power Stock.	1,675 acres by flooding* 2.5 kw L50 head	3,466°	(q)	1	!	Prior 1898	Greatty; earth and rock dam with 6.0 miles of earth ditch.	Former owners: Central Pacific Salina, Manuel Alle, Grantes F. Webb, Edward L. Billings. Previously irrigated an additional ll acres.
L3N/10#-36L1 (Sheet 7)	4. H. Srith	Spring tributary to Kidder Greek	Irrig.	7 acres by flooding	97 ⁿ	Approp.	50 MI	Vol. 2, pg. 168	1881	eravity; earth dam with 1.5 miles of earth ditch and pipe flume.	Former owners: J. williams, J. C. Joza and Antone De Mello, Ed and hewt Hayes, Warren B. Smith.
38/10%-3691 (Sheet 7)	(Sheet 7) C. Custer, ct al. r.	Midder Creek	I TTIK.	1,870 acres by floodinge	7,155 ⁿ	Арргор.			1872	havity; rock dam with 1.0 mile of earth ditch to 1.5 miles of natural channel and 7.0 miles of earth ditch.	Former owners: Wright and Elether. Previously irrigated an edditional 32 acres.
				<u> </u>	GRASS LAKE SUBUNIT	SS LAKE	GRASS LAKE SUBUNIT versions located in this s	subunit)			

			Woter use in 1958		App	Apparent water right	right	Indicated dote of		
Diversion name and/or awner	Source	Purpose	Extent and method of use	Amount diverted in occe-feet	Туре	Amount	Reference	appro- priation or first use	Description of diversion system	Remorks
				GRE	GRENADA SUBUNIT	BUNIT				
Edeon L. Foulke	Kiernan Slough	Irrig. Stock.	100 acres by flooding*	230*	Riparian	1	1	Frior 1958	Gravity; earth dam 6 feet high, 20 feet long with 0.5 mile of earth ditch.	Previously irrigated an additional is ecree. Are irrigated received aupplemental aupply from illy/54-9Pl (Weed Stourit). Amount diverted irrigated an additional 6 scree jointly with illy/cw-2P2.
Edson L. Foulke	Kierman Slough	Irrig. Stock.	20 acres by flooding*	719**	Adjud.	0.60 cfa	Par. 121 ⁶	1856	Gravity; earth dam 5 feet high, 15 feet long with 1.0 mile of earth ditch.	Former owner: Edson and Foulke Company. Amount diverted irrigated an additional 6 seres jointly with LRN/6W-2Pl.
Edson L. Poulke	Willow Creek	irrig.	698 acres by flooding.*	1,310	Adjud.	(00)	(**)	About 1854	Gravity; 0.7 mile of earth ditch.	Former owner: Edeon and Foulke Company. Area Irrigated received supplemental supply from LIN/5W-9Pl. (Weed Subunit).
Fred Carpenter	Willow Creek	Irrig.	38 acres by sprinkler	20	Riparian	1	1	Prior 1958	Pump; electric motor with a short pipeline.	
Den Shelley	Willow Creek	I rrite.	lt acres by flooding	Not meae.	Adjud.	0.10 cfah	Par. 3078	1890	Gravity; 200 feet of earth ditch.	Former owners: L. Wortman, Nelson W. Chisholm.
Dan Shelley	Willow Creek	Irrie.	213 acres by flooding*	80%	Adjud.	0.25 cfeh Par. 418	Par. LIE	1890	Gravity; rock and gravel dam with 0.4 mile of earth ditch.	Former owner: Nelson Chisholm. Amount diverted irrigated an additional 143 acres joinily with 123/64-1941 (Willow Greek Subunit).
Dan Chelley	Willow Creek	ruje.	Lé acree by flooding	770	Riparian	ł	ı	1860	Gravity; rock and gravel dam with 0.2 mile of earth ditch.	Former owners Hary Finnerty.
rdson-Foulke Treks Ditch Co.	Willow Creek	Irrig.	(**)	Not meas.	Adjud.	(**)	*	1909	Gravity; earth dam 6 feet high, 15 feet long with webb lateral.	(**)
Glen G. Maxwell	Willow Creek	Irrag.	8 acres by flooding	80	Riparian	1	;	Prior 1958	Gravity; 0.1 mile of earth ditch.	
Dan Shelley	Allow Greek	irrig.	29 acree by flooding*	120*	Riparian	1	1	1875	Gravity; 0.3 mile of earth ditch.	Former owner: Nelson Chisholm, Amount diverted irrigated and ditional 98 scree jointly with USN/64-19Al (#illow Creek Subunit).
Howard Damron	Willow Creek	Irrig.e	*	None	Adjud.	2.40 cfe ^h Par. 158 ^E	Par. 158 ⁶	Prior 1880	Gravity; rock dam 3 feet high, 15 feet long with 0.2 mile of earth ditch.	Former owners: M. E. Nerris, Van Horn, Chamberlain, Johnsen, Alchardson, Previously irrigated 62 acres.
Grenada Irrigation District	Shaste River	e contract	1,541 acres by flooding*	6,268	Approp.	Lo cfe	Аррі. Цівс	1898	(**)	(**)

e See remarks.

• Por additional information see Appendix D
"Petalled Descriptions of Certain Surface
"attern Investions".
—Information not available.
For lettered footnotes, eve last page of table.

Plate 2									dote of		
80 80 81 81	Diversion name and/or omber	Saurce	Purposs	Entent and method of use	Amount diverted in ocre-feet	Type	Amount	Raferenca	appra- priation ar firet use	Oescription of diversion system	Ветот к в
N: 00											
				19	RENADA	SUBUNIT	GRENADA SUBUNIT (Confinued)	(1)			
L3N/54-6D2 Hu. (Sheet 9)	Wesman Ditch Frank Brahs, et al.	Shasta Mver	Imig.	1,176 acres by flooding*	9,077*,n Adjud.		11.90 cfs 5.00 cfs	11.90 cfs Par. 1248	1862	Gravity; wood gate 5 feet high, 5 feet long with 12 miles of earth ditch and 3 storage reservoirs.	Former owners: Edson and Foulke Company, Kanuel De Sozo. Forton of amount diversed irrigated an adultional 202 acres jointly with Liky/6#-25Fl.**
131/6#2F1 Se (3heet 8)	Sanuel Bruinsma	Willow Greek	Irrig.*	*	None	Riparian	1	1	Prior 1958	Grevity; concrete headgate 2 feet high, L feet long with 0.1 mile of earth ditch.	Former owners: Orr Brothers, Orr Satste, D. H. McGarkar. Previously supplemented 1/31/64-211.
13N/64-211 Sa (Sheet θ)	Samuel druinsma	Willow Greek	Irrig.	179 scres by flooding*	338*	Riparian	1	1	Prior 1958	Gravity; wood neadgate with O.L mile of earth ditch.	Former owners: Orr Brothers, Orr Extree, D. H. "Modergar. Area intigated previously received supplemental supply from $L(3)/6\pi-2F1$.
(Sheet 8)	Samuel Bruinsma	Willow Creek	Irrik.	12 acres by flooding	244	Riparian	1	1	Prior 1958	Oravity; concrete headgate 2 feet high, L feet long with 0.3 mile of earth ditch.	Former owners: Orr Brothers, Urr Estate, D. H. McGargar.
Lik/6,-llcl Sa (Seet 8)	Samuel Bruinsma	Willow Greek	*	(*)	434	Adjud.	0.10 cfs	Par. 112 ⁸	Prior 1958	Gravity; earth dam 2 feet high, 50 feet long with 2.2 miles of earth ditch.	Former owner: N. D. Duke. Furpose of diversion in year of survey was leaching an alkali field.
131/64-1431 J.	. L. Price	Tributary to	Irrig.	*	20*	(a)	;	ŧ	1946	rump; 10-hp motor with a short pipeline.	Amount diverted supplemented L311/6e-2311 for use reported the reunder.
(Sheet 8)	L. Price	Springs tributary to Willow Creek	Irrig.	(*)	1,04	(p)	1	1	About 1850	Pump; 20-hp motor with a short pipaline.	Namarks for L3M/6W-22Kl apply.
(Shet 8)	. L. Price	Orr Slough	* ************************************	62l acres by flooding*	\$ 150 m	Riperian	1	1	1944	Gravity; earth dam 7 feet high, 150 feet long with 0.4 mile of earth ditch. A sump at base of dam 200 feet long, lof feet wide, 20 feet deep has a short earth ditch to connection with 13N/64-2621 and a 10 hp pump with 50 feet of 6-inch pipe to 1.4 miles of earth ditch from dam.	Pormer owner: Richard Alcuman. Previously triggeted an additional 13 acres. Amount diverted supplemented by LJN/64-26Cl, LJN/6n-LLNI and kJN/64-22Rl.
1337/64-21E1 M3 (Sheet 8)	Mills Ranch Corp.	McCloud Jough	Irrig.	87 acres by flooding 40 to 80 head	Not meas.	(q)	1	1	Prior 1900	Grawity; earth dam 1 foot high, 20 feet long with short earth ditch to field.	
(Sheet d)	Edson L. Foulke	McCloud Slough	* 6 년 무료 교 교	Illi acrea by flooding.	Not Beas	Adjud,	2,00 cfs*1 1,00 cfs*1	Par. 122 ^g	About 1856	Gravity; timber dam 20 feet low, & feet high with 0.5 mile of earth ditch.	Former owner; adson and Foulke Company. Reported water right amounts may be diverted all or in part by this diversion, 13N/6~26H1, or 13N/6#-26H2.

[•] See remarks.
• For additional information see Appendix D
"Detailed Descriptions of Certain Surface
"Let Diversions".
— Information not available.

Por lettered footnotes, see last page of table.

Oversion				Water use in 1958		Ap	Apparent woter right	right	indicoted dots of		
location and Plats 2 sheet number	Olvaralon nome ond/or owner	Source	Purpass	Extent and mathod of uss	Amount diverted in ocre-fest	Туре	Amount	Raference	appro priotion or first uss	Osscription of diversion system	Remorks
H 28 E H				19	RENADA	SUBUNIT	GRENADA SUBUNIT (Continued)	1)			
L3N/64-26C1 (Short 8)	J. L. Price	Willow Creek	Irris.	(*)	Lliga	Adjud.	2.70 cfa ₃ P	par. 2538	About 1850	Grevity; earth and rock dam with 1.5 miles of earth ditch.	Former conners: A. S. Orr. Montague and Kedord Feed Lot Company, Hicherd Atchman, Amount diversed supplemented 1,311/64-2311 for use reported thereunder.
L3N/6w-26H1 (Sheat 8)	Edson L. Foulke	McCloud Slough	I stiff.	12 acres by flooding*	Not meas. Adjud.	Adjud.	<u>.</u>	(*)	About 1856	Gravity; timber headgate with 0.3 mile of earth ditch.	Former owner: Edson and Foulke Company. Proviously irrigated an additional 3D acres. For water right details ees L3N/6w-25D1.
L3N/6W-26H2 (Sheet 8)	Edson L. Foulko	McCloud Slowth	Irrig.	23 acres by flooding	Not mees. Adjud.	Adjud.	€	0	About 1456	Oravity; 0.2 mile of earth ditch.	Former owners Edson Foulke Company. For water right dotails see Lill/6W-25Gl.
43N/64-34R1 (Sheet 8)	Edson L. Foulks	Willow Crock	Irrik.	387 acres by flooding.	73	Approp.	308 af	Appl.11092°	1856	Gravity; grevel and log dam lo feet long with 1.2 miles of earth ditch to a 308-acre-foot storage reservoir.	Former owners: Edoon Brothers, Edeon and Foulke Company. Area irrigated received supplemental supply from LLN/5#-9Pl (Weed Submit).
ULN/5#-1901 (Sheet 6)	Charles T. and Ellen B. Drummond	White Slough	Irrig.	55 acree by flooding*	Not mses. Approp.	Approp.	38 af	Appl.17639°	1948	Grevity and storage; earth dam 15 feat high, 900 feet long with 0.2 mile of earth ditch.	Amount diverted supplemented by LLM/5 in-2041.
LLN/5W-20MI	Cherles T. and Ellen 8. Drummond	Springe tributary to White Slough	Irrig.	3 acres by flooding*	Not maas. Approp.		30 af	Appl.17639 ^c	Prior 1957	Gravity and storage; earth dam 12 feet high, 250 feet long with 1.5 miles of earth ditck	Former owners: Edson and Foulke Company, Huesman, Lou Foulke, Prether, Davis, Prethously, irrigated an edditional 7 acres. Amount diverted supplemented Link 54-1901 for use reported thereunder.
LLN/6W-3R1 (Sheet 5)	John L. Doren	Shaeta River	Irrik.	128 acres by flooding	835	Riperian	ŀ	1	Prior 1925	Pump; electric motor with 300 feat of 10-inch pipe to 1.7 miles of earth ditch.	Former owners! Gilplin, H. H. Hudeon, L. E. Edwonds, Suzy Hudson.
(Sheet 5)	Williard and Merl Freeman	Sheste River	Irrak.	51 acres by flooding	147	Riparian	1	1	Prior 1922	Pump; 10-hp meter with 1,650 feet of 10-inch pipe to 0.7 mile of earth ditch.	Former ownerst Joe Ence, Brown, Edwonds, Ewans.
Uln/6,-1111 (Sheat 5)	John L. Doren	Shasta Hiver	Irrik. Stock.	47 ecros by flooding	66	Adjud.	1.80 cfs	Par. 138 ^g	1885	Gravity; 2.0 miles of earth ditch.	Pormer owneres Cilpin, H. H. Hudson, L. E. Edmonda, Susy Hudson.
Ulin/6-11A1 (Sheet 5)	Roland Ekstros	Shazte River	Irrig.	ll acres by flooding	877	Approp.	0.25 cfa	Appl.4831°	About 1952	Pump; 5-hp motor with 132 feet of 44-, 5-, and 8-inch pipe to 0.2 mile of earth ditch.	
Ully/6=10H1 (Sheet 5)	R, E. H. Julien	Cottonwood Creek	T state a	(•)	None	Riperian	1	1	Prior 1925	Gravity; earth dam with 1.0 mile of earth ditch.	Former owners: Neuswander Julien, Octavie Julien, Octavie Julien Estate. Previously supplemented LLM/6+-21Al.

[•] See remarks.
• For additional information see Appendix D
"Detailed Descriptions of Certain Surface
"ater Ilversions".
- Information not assilable.
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TABLE 5(Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion				Wotar use in 1958		App	Apparent water right	right	indicoted dote of		
Plore 2	Diversion nome and/or owner	Sourca	Purpose	Extent and method of usa	Amount diverted in acre-feet	Туре	Amount	Reference	appro- priation or first use	Description of diversion system	Remorks
				GF	GRENADA S	SUBUNIT	SUBUNIT (Continued)	_			
; ,,,,											
(Sheet 5)	5 TE TE TE TE	r % ch	lrrag.	14z acres by F.coding	132	Ad ud.	J.45 cfah	0.45 cfsh Pur. 3 14	A vut	Jray Lyr + rt. : 5 WithO mile of + wrth dit b.	Put of wherest It. off, Or man o. o. ff.
() 1 mm() ()	Jat n · · · ·	C tt nwood Criving	P An An Est	5" acres by flodin.	677	Appror.	Je 67	At 1.13283	1925	Storage and gravity; by acceptor reservit with mile of earth ditch.	untilitied and all productions of the control of th
10/2: 103- A2 21-01 5	a, r, ", Julien	Ju ten Crick	**************************************	35 acres by flooding	465#	di pari an	1	1	Prior 1925	Gravity; 80 feet of wood flure to 0.9 mile of earth ditch.	Professional relations of the first transfer for the first for the same for the same for the same for the first for the supplemental bib/664-2221 for use reported thereunder.
(Shret 5)		ings. Jusch	e e e e e e e e e e e e e e e e e e e	26 acres by flooding	90	dparian	1	1	1956	arayity; ro: and earth dam	
(Speer 5)	u len	Julie Creek	till vol Sta	68 acres by flooding*	*	Miperian	E .	÷	1925	ditch.	Free North Oct via citt state, irrelians, irrelians, irrelians additional 19 acres. Amount diverted supplemented by anylon-21A2.
(> 1000 C)	reald Jerkins	JANTY TY VC	E	27 acres by flooding	2,502°5" thipser.un	Ripariun	1	1	5 .	iravity; earth dams lest hith 43 feet lone mith 2ires of earth ditch.	"Spirit makes: All is all hills Company, L. Flike, tell of a minut live that irri ed of dills. I 2. terms olne y with "2" ("-0.5").
3,2-16 (3)	t c	d a Creek		112 acres by flooding lot		meds. Aptrion	1	1	195	iravi y; two concrete herd- ours and 3 canvas settings with "we nike of earth litch.	U. C. CART F.
(, , , , , ,)	161.5.	renita irritati m		. " arres y floatin.	41.5	ril arian	1		1,1,1,1	ar. vity, concrete heat ate with 3.4 infle of arth ditch.	The state of the s
161, tole.		A2 14 R	. 111	75 acres by fla inn.	15	dipurian .	1	;	F. 55.	urivity; cirth and ravel dis- with 37 dir of carth ditch.	*AAC * *C *AA Y SECTION AS A
1664 N-1762	41	עב זיי גמיי	tock.	Tours by Trouble	7	(4)	1	1	TC 2,7	ir valy; wirth and look day	trie mare and de dening.
1616 / P. N. St. 19 ")	9,11	י די מי נד גינידץ ני אור פרעה		A core to noting	78/	â	4 1	1	\$10 	men (48) metar with a feet f o- neh . F.	Figure 500 Fig. ,, but Γ_{ij} , r_{ij} of Γ_{ij} , then the forested Γ_{ij} , and Γ_{ij} of Γ_{ij}
Win + N- (Shert 5)	18 1 1 m d. no 1-113	Augo Autoh	Intid.	3	*_	(a)	1	ę	Tr 2 34	arivity; earth and reason a	There will be a second by as the
(c 2 +4 -)		q	* * * * * * * * * * * * * * * * * * *	le acre iy i vouing	#	יק הן.	2 5 cfs	Par. 76	ithe.	smarty; . rts., b and s with 2, a rts dit b.	mily to a receive and a contract of the safe and the safe

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• For additional information see Appendix D,

"Detailed Descriptions of Certain Surface
Aster Diversions"

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Diversion				Water use in 1958		App	Apporent woter right	right	Indicated date of		
Location ond Plote 2 sheet number	Diversion name and/or owner	Saurce	Purpose	Extent and method of use	Amount diverted in ocre-feet	Typs	Amount	Reference	oppro- priotion or first use	Description of diversion system	Remorks
				GR	GRENADA S	SUBUNIT	SUBUNIT (Confinued)				
N 4 8 C											
(3h-ret 5)	41 1cm J. Jallerda	days Jalch	Irrip. Stock.	Û.	02	Adjud.	0.20 cfe	Par, 6	1892	Gravity; earth and board dum with 0,2 mile of earth ditch.	Former owner: J. H. Almeuder, Amount diverted supplemented 444/64-30KL.
J. Short 5)	d. ". ναπακ	ouys outch	Irru:	8 acres by floodin:	*10"	uparian	ţ	Į.	About 1850	Jravity; Farth and rock dum with 0.3 mile of earth ditch.	FORLET OWNET: 'erry.
1 58-18/1891 (3 Januar 5)	og uch imin	William Creek	Irrip.	159 acres by floding Not	MO13.	åd jud.	3,80 cfs	Par, 310k	1870	iravity; earth dan with 0.7 male of earth datch.	Former owners: orr Bruthers Gorps, D. H. AcCarper, J.80 cfs March 1 to Hovember 1.
(3 m m)	S. 10 L M. 10 A	Grenad (Irrivition strict Drings Ditch	Irrita	215 acres by flooding	Let	utparı an	1	0	1924	Gravity; concrete head ates a th O.o mile of carth ditch.	rotmer owners: Orr Brothers, u. H.
N Prof	A b. cirvin	3 hu eyer bu ch	Irri.	(4)	ייסטע	(a)	{	4 6	1357	Gravity; earth dam 3) fret high, 150 feet lang with D. T wile of earth ditch.	Former owner: a. J. Kelluy, Previously irrivated 14 acres and supplied 55 head of livestock,
1 2 pet 5)	or the service	יישר איניי שליים מוסכר	frrik. Stock.	(a) (b)	fone	(a)	-	1	1919	arayity; earth dan 25 feet high, 300 feet long with 1.4	Previoualy irrigated 23 acres and augplied .5 head of livestock.
					KIDD	DER CRE	KIDDER CREEK SUBUNIT	LIN			
					No divers	lons locat	No diversions located in this subunit	subunit			
					LIT	LITTLE SHA	SHASTA SUBUNIT	TING			
: - : : : : : : : : : : : : : : : : : :				rec. by fl. din.	;)t	torintan (torintar	1 1	Homestead	12 12 12 12 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15	rearings of control and the factor a	Option Owner: 1888c o. Davis. Pormir Harris: Davis Br Three
	S. L. L.	y 4		A very 1g fordan.	•	Capara Cale	1	1	1 55 T	inavity; earth in tabler dum with in ale of earth ditck	r rest parers; Jases and Henry Auts, Gren at Itoms, Issue 5, Davis.

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• For additional information are Appendix D, "Detailed Descriptions of Cert in Surface Addressives ons" information not available.

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TABLE 5(Continued) DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion				Water use in 1958		App	Apparent water right	right	Indicated		
Location and Plate 2 sheet number	Oversion nome ond/or owner	Source	Purpase	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference	appra- priation ar first use	Description of diversion system	Remorke
				LIT	LITTLE SHASTA		SUBUNIT (Continued)	(penui)			
A	th. It is the training	- A	lfr: .	lis acres by flooding*	iot meas.	diparian	1	1	About 1855	Pans; 30-hp motor with 0.3 mile of earth ditch.	For the Exercise John Megg, Isaac S, Davies Mount diverted supplemented by
12 -44 - 544	bra o.t	bavis Julch	irny. Stock.	37 acres by flooting	Not mess.	niparian	1	3 7	About 1855	Gravity; earth and rock dum with 300 feet of earth ditch	Former symera: John Kopg, James Davia.
(Shert 5)	artrot. Javis	. 1V15 Aulch	Irrir. Stock.		Not meas.	meas. "Wiparian	ł	1	About 1855	Gravity; concrete dum 4 feet high, 20 feet lon; with short earth ditches.	Forner Dwner: leads S. Davis, Amount diversed aupplemented Linklin-50. for use reported thereunder.
1 4 . 27"	la de ant light andron	Shast, aver	lrri Stock.	79 ucres by f coding 175 head	82	Adjud.	1,10 cfs	Par. 206	. 977	Gravity; 1.3 male of Farth ditch.	Former secent brank J. King, seorge W. King, seorge flock.
orer)	oh	Shada avrr	Irri).	4,172 acres by flooding	12,641	.hdjud.	42.0 cfs	Par. 3413	191.	Pumps; 375-hp motor with 1,970 feet of 24-inch tipe to 7.5 miles of warth ditch and a second 375 hp motor with 1,730 feet of 36-inch pipe to 8,5 miles of warth ditch.	(en)
(mer 2 5)	Donald and I ene J. watson	Jhasta Muver	Irra; Stock.	105 acres by flooding 175 head	66	Md_rud.	1.15 of 8	Par. 205	1877	Gravity; 1.0 mile of earth ditch.	Former owners: Frank J. Minz, Peorge W. Ning, Peorge Flock.
Lal- 20 1. 42.	. th L. Dorre	Tributary to Shesta Irrit.		l3 acres by flooding*	a	Ad jud.	0.15 cfs	Par. 1408	1885	Gravity; 0.2 mire of earth ditch.	Pomer owners: H. H. Mudson, L. E. Eusonds. Assumt diverted supplemented by \$\text{\text{List}}(6.4-\text{\text{List}}).
11.2/bd/12.40)	הייחפטל בין החרני.	Tributary to Shasta Irrig.		16 acres by flooding*	* ℃ ~:	Ad vud.	.30 cfs	Pur. 139 ^k	1912	Gravity; 0.3 mirr of rarth ditch.	Pomer owners: H. H. Hudson, I. E. bimonds. Amount diverted supplemented Liak/Owild for use reported thereunder.
455/44-16t. Hurp Ditton (Sneet ?) Sidney F. Terwin	Harp Diton Sidney F. Terwilliam	Litt.e Sh eta fl.ver	Irrif.	24 acres by flooding 75 head	176 176	Adjud.	1.60 cfa	Par. 3848	1858	Gravity; rock and gravel dam with 3.4 miles of rath ditch.	Pormer varies Harp, barnum, Susum E. Termilliger, Henry D. Termilliger, Phillips. Permilliger, Amount diverted arrivate an additional 32 acres Johnly with 458/58-1801.
454/44-18;	oldney r. Insmilliger	ropy Alch	Irrip.	(*)	Not meas.	Miparian	1	1	About 1455	Gravity; 0.4 mile of earth ditch.	Amount diverted irrigated 32 acres jointly with 451/44-1681.
45% 1911 (Januel 3)	A.fred C. and Viola M. Edmonds	Littie chasta nivrr	**************************************	30 acres by flooding and aprinkler	332 ⁿ	Adjud.	0.12 cfs	Par. 66 ^E	About 1857	Fratity; log dam 4 fret high, 20 feet long with 1,0 mile of earth dich to a 168 scre-foot reservoir.	Former Genera: Mount Shasta Hilling Company, Dirmick, Saate Wesse, Limminds, Jones, J.12 of a January l to December 31.

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•• For additional information see Appendix D,
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Diversion				Water use in 1958		Αρρι	Apporent water right	, ght	Indicated date of		
Location and Plate 2 sheet number	Diversion name and/ar awner	Source	Purpose	Extent and method of use	Amount diverted in ocre-feet	Type	Amount	Reference	oppra- priotion ar first use	Description of diversion system	Remarks
				LIJ	LITTLE SHASTA		SUBUNIT (Confinued)	(penui			
1 2 1 1 4 1											
45H/44-19L2 (Sheet 3)	Soule and Terwillian Ditch L. L. Shelley Cline Soule	Littin Shoota diver	Irrig. Stock.	1,82 norrs by flooding 4,00 has	473	Approp.	132.2 af 1 3 3.30 afan 1 3.30 afan 1 3.30 afan 1 0 0.50 of a 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	dar.	About 1857	oravity; 3.3 miles of earth dideh to a reservoir with nn earth dus as feet high and 1,700 feet long.	Parmer annursh S. Forwillinger, d. T. martin Honry Januara, May Saute, Previously treasured on modificant 15th doron,
45%/44 33 st. (Sheet 3)	Maight, Deter and Keyy Ditch Harris R. end Edyth R. Connick	Spring tributury to Litt : Shasta silver	Irrig. Darstie Stock.	871 geres by Flooding (a) 450 hand	1,993	Ad.Jud.	6.00 cfgh 7.00 cfgh 7.00 cfgh	Par. 2458 Par. 718	1858 1	ditch and 0.6 miles of pipe.	Former warrest Haught, Dater, damany, da sheets, ferviously irrigated an additional of arrest, area irrigated received supplemental supply from uSI/44- NA.
6511/44-2062 (Sheel 3)	Stdney w	openny trilutary to Little Shasta Hiver	Irrik. Domratic Glock.	ix acres by flooding (a)	Not meas.	Ad,'ud.	1.12 cfs 0,20 cfs 5.60 cfs	Pur. 3468	1858	bravity; concrete wear 5 fret high, 15 feet long with 1.0 mile of earth ditch.	5,40 ofs January 1 to December 31.
657 64-334 (Short 7)	Ida A. Hartan	olim Spring Creek	Irrig. Stock.	43 acres by flooding	Not meas.	Adjud.	3,10 cfs E	Pur. 248	1855	stayity; concrete weir 2 feat high, 6 feet long with 0.7 mile of warth ditch.	
(Sheet 3)	Ila A. Martir	Jib Spr n · Greek	Irrig. Domystic Stock.	6 acres by floading (a)	Mot meas.	Adjud.	0.63 cfs.	Par. 2478	1981	Gravity; concrete dam with 100 feet of 12-inch pipe to 0.2 mile of earth ditch.	Perture I am uni diverted supplemented USIVIM-29A1 for une reported thereunder.
"58744-"7A1	Ida A. Parti:	Punnel apring	Irrif. Stock.	25 acres by flooding*	Not mess.	nti artun	t	3	1899	ravity; w. rth dam with) nile of carth ditch.	incount diverters supplemented by USB/LW-20Q1.
1,581 164-7181 (Sheet 3)	Its A, wartin	artin Spring Greek	Irriy. Stock.	26 acres by flooding	Hot mean. Adjud.		2.63 cfa	Par. 2298	1855	Gravity; concrite dam 2 fret high, 6 fret long wath 0.1 mile of rath dileh.	usported water right assumt may be diverted at a very part by this alversion r 45N/44-295.
125N/43-4 10 (3hrite 3)	Ida a, dartir	's Spring Crick	Irrir.	164 acres by floating	Not meas.	Adjud.	(E)	<u>©</u>	184.	invity; 1.0 mile of earth ditch.	tor water right solutions with whatel.
"511/64 "5.11 (Ohent 3)	rice erth	Tributury to Bassey Spring	Jamo _d	5.6 kv	"lot mens.	Ail, ud.	Labo Carl	Par. 250	616	aparing with 400 feet of 12-inch eff.	of the community of been red).
(Sh ot.)	andy I. Gare	אחנוקלי וח שמ	Draitic. Stock.	13 derve by flooding Not meas.	Not meas.	Atjud.	30 of .	10r. 164	(955	arully; s ales f each dlich.	Figure Works of the control of the C. High Street of the Street of the control of
(Street 1)	At the last of .	יישוא פֿילט יין	irri.	211 ners by flooting and sprink or 8	U.S. meas.	An and an and an	3.59 cfs.	1.546	5 + 2	Analys or real and feet his by it feet anywith "	burder americal dobin kers, A os. Avolts, trever it in
(ubert)	Tarris t, ind tyli t, , ni K	ory is ring Crick	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(*)		At 17 1.	Jo CK.	A 33.	S .	anylly, comprete to a better that the terminal t	LA VIA Live Pri i i i i i i e c'ed La Via Live Pri i i i i e c'ed La Nide for use preported thereunder

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TABLE 5 (Continued)
DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

	Renorks			Former owner: Lichen,	Former owners: A. C. Haight, E. C. hart. Previously irrigated an additional 21 acres.	Former owners: A. L. Babcock, 4. T. Narthn, Am Soule, A. C. Haight, Clarence W. Soule, Mary J. O'Connor, Clenn H. Spencer. Portion of asount diverted supplemented LSN/SA-25B3 for use reported thereunder. Previously irrigeted an additional 2 acres.	Former owners: Ann Soule, E. F. ireyer, Esther L. Earlier, Joseph Brown, Kete M. Fairchild, Katherine L. Newton, E. A. Sullivan, James F. Long, Hary J. Viconnor, L. Lee Brown, Clarence «. Soule. Amount diverted irrigated an additional fill acres jointly with LBM/Si-SLIL. Previously irrigated an additional 72 acres, of with 36 acres received supplemental aupply from 13N/Si-25LI.	Former owners: C. Hart, George M. Haiph, Mary L. Prather. Area intigated received supplemental supply from LSM/5.4-25B1.	Former owners: Smith, George M. Halpht, W. T. Martin, Mettie A. Halpht. Previously irrigated an additional il scree.	
	Description of diversion system			Gravity; earth dam with 1.4 milee of earth ditch.	Gravity; rock and earth dan with 1.5 miles of earth ditch.	Grevity; 30-inch pipe to 1.4 miles of earth ditch.	Grevity, rock and grevel dan with L.3 miles of earth ditch.	Gravity; concrete and gravel dam with 3.0 miles of earth ditch.	Gravity; 30-inch pipe to 1.6 miles of earth ditch.	
Indicated date of	oppre- priotion or first use			About 1939	1857	1858	1859	1855	1864	
right	Reference	(penur	• .	1	0.55 cfej 0.15 cfej 0.55 cfeh Par. 1638 0.15 cfej	creh Par. 151 ^g creh Par. 252 ^g creh Par. 307 ^g creh Par. 364 ^g	Par. 885	Par. 152 ⁶	Par. 1536	
Apparent water right	Amount	SUBUNIT (Continued)		1	0.55 cfs 0.15 cfs 0.55 cfs 0.15 cfs	0.56 cfeh 0.20 cfeh 0.66 cfsh 0.00 cfeh 1.97 cfeh 0.30 cfeh	2,10 cfe ³ Par. 88 ^g	15.0 cfe ^h Par. 152 ^g	1.00 cfg. Par. 1538 0.63 cfg. Per. 2518	
App	Турв			Hiparlan		Adjud.		Adjud.	Adjud.	
	Amount diverted in ocre-feet	 LE SHASTA		Not meas.	Not meas. Adjud	538°3"	1,153	1,168*n	Not meas.	
Water use in 1958	Extent and method of use	TILLE		95 acree by flooding	12 acres by flooding*	469 acres by flooding*	689 acrea by flooding. 1,153*,n Adjud.	1,536 acres by flooding*	26 acree by flooding* Not meas. Adjud.	
	Purpose			Irdg.	Irrig. Stock.	Irrig. Stock.	Irrig. Domestic. Stock.	Intg.	Irrig. Stock.	
	Source			Tributary to Oregon Slough	Little Shasta River Irrig.	Little Sheta River Stock.	Little Shasta River Irrig. Domestic Stock.	Little Shaste River Irrig.	Little Chasta Maer Lirig. Stock,	
2000				Herold W. McWilliams	ids A. Wartın	Babeock, Martin and Soule Ditch, Frank R. and Margaret S. Day, et al.	Musgrave and Linton Each Myrtle Brown and State of Ira E. Brown, et al. r	Gladys I. Hert D. L. Reynolds	L. L. Shelley D. L. Reynolds	
D vers on	ond Plote 2 Sheet number		N D B & K	LSN/SW-3MI (Sheet 3)	.5%/5m-25Al	USN/SW-25B1 (Sheet 3)	(Sneet 3)	15N/51←25B3 (Sheet 3)	USN/SH-25F1 (Sheet 3)	

• Ces remarks.
•• For additional information see Appendix D
"Detailed Descriptions of Certain Surface
"later Elversions".
— Information not available.

Oiversion				Woter use in 1958		App	Apparent water right	right	Indicated date of		
ond and Plate 2 sheet number	Oiversion noms ond/or owner	Saurce	Purpose	Extent and method of use	Amount diverted in ocre-feet	Туре	Amount	Reference	appro- priation or first use	Description of diversion system	Remarks
				דוט	I I		SUBUNIT (Continued)	ntinued)			
MDBAM											
LSN/5W-26R1 (Sheet 3)	D. L. Reynolds	Little Shasta River	Irrig.*	(*)	None	(q)	:	1	Prior 1958	Gravity; short earth ditch.	Irrigated 11 acres and supplied 1,000 head of livestock until 1958.
USN/SW-26R2 (not mappod	Montague Water Conservation Listrict	Little Shasta River	Munic. Domestic Indust.	(<u>*</u>)	Not meas.	Approp.	2.30 cfs	Appl. 4,909	1926	Grantty, concrete weir with flash boards.	Amount diverted supplemented 13N/5~-2511.
LSN/5x-3001 (Sheet 3)	Donald and Illene D. Matson	Little Shasta River	lrrig.	208 acres by flooding	586	Approp.	3.0 cfs 223 af 318 af	Appl.10982 Appl.13200	1946	Gravity; concrete dam 3 feet high, 4 feet long with 5.5 miles of earth ditch to a 345-acre-foot reservoir.	Former owner: George Flock.
L5N/5W_32H1 (Sheet 3)	Earl B. and Fildred O. Flock	Little Shasta River	Irrig.	750 acres by flooding	L,224	Approp.	9.60 cfs 1,000 af 2,250 af 6 cfs	Appl.10949° Appl.11705° Appl.13462° Appl.14580°	1945	Gravity; concrete dam la feet high, lo feet long with 5.5 miles of earth ditch to a 1,200-acre-foot reservoir.	
151/51-33A1 (Sheet 3)	Minnie A. Tamisiea	Little Shasta River	lmig.	lo acres by flooding	Not meas.	Adjud.	0.63 cfe	Par. 381 ^g	1905	Gravity; 0.1 mile of earth ditch.	Former owner: Hoyt.
LSN/SW-33C1 (Sheet 3)	Minite A. Tamisies	fributery to Little Shasta River	Irrig.	58 acres by flooding*	Not meas.	(9)	1	1	About 1930	Gravity and storage; earth dam 8 feet high, 700 feet long with weir gate to release to 0.3 mile of earth ditch.	Former owner: Babcock. Portion of anount diverted supplemented LSN/SW-33G1 for use reported thereunder.
LS://5W-33C2 (Sheet 3)	Minnie A. Tamistea	Tributary to Little Shasta River	Irde. Stock.	÷ 1	Not meas.	(a)	i	1	About 1930	Gravity and storage; earth dam 8 feet high, 700 feet long with welf gate to release to 0.2 mile of earth ditch.	Remarks for LFM/Sw-3361 apply.
L53/54-33D1 (Sheet 3)	Minnie A. Tamisiea	Tributary to Little Shasta River	Irrig.	*	Not meas. Riparlan	Riparlan	1	1	About 1924	Gravity; gravel and board dam 3 feet high, 20 feet long with 0.2 mile of earth ditch.	Remarks for USN/54-33Cl apply.
L5W/5w-33G1 (Sheet 3)	Minnie A. Tanisica	Tributary to Little Shasta River	lrrig. Stock.	109 acres by floodings Not meas:	Not meas.	(q)	1	ı	About 1930	Gravity and stormes; earth dam 8 feet high, 700 feet long with welf gate to ratement to 0.2 mile of earth ditch.	Former owner: Babcack, Amount diverted supplemented by BN/5w-3301, LSN/5w-3302, and LSN/5w-3301.
15.1/54-31.01 (.moet 3)	Minnie A. Tamisies	Sabcock Slough	Irrig. Stock.	17 acres by flooding*	Not meas. Adjud.	Adjud.	1.00 cfay Par. 380 ^g	Par. 380 ⁶	1858	Gravity; concrete and gravel dam 3 feet high, 16 feet long with 0.2 mile of earth ditch.	Former owners: Hoyt, Baboock. Previously irrigated an additional 10 ecres.
153/5%-3183 (Sheet 3)	Minnie A. Tamicies	Tributory to Little Shasta River	Irrig.	ll acres by flooding*	Not meas. Riparian	Kips rlan	ŀ	ı	About 1860	Gravity; earth dam with 0.2 mile of earth ditch.	Former cwnors: Noyt, Prather, Previously irrigated an additional 13 acres,

[•] See remarks.
• Por additional information see Appendix D. "Patalled Descriptions of Cortain Surface Jater Diversions".

- Information not available.

For lattered footnotes, see last page of table.

TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

	Remorks		Former owners: Elisabeth hoyt, Mary L. Prather.	Former owners. Crises, Montry. Previously irrigated 71 acres, 36 acres of which were dry-farred in 1958.	Former owners: Smith, Haight.	Pomer owners: Ortaes, Hontry. Previously triggated 190 acreu jointly with Ligh/S=-26P1. Area was dry-farmed in 1956. Reported water right amount may be diverted all or in part by this diversion or USW/S=-26P1.	Pormer: Kate C. Hart.		Former owners: Manuel Rodgers, Manuel Freres, John Silver, Joe Foster, Manuel Shelly, Frank Foster, George Foster, Lawrence Barnes, Dr. Simpson,	Former owner: W. Gross.	Amount diverted supplemented by lg3/54-2511 (Dwinnell Reservoir Subunit).
	Dascription of divarsion systam		Gravity; concrete dam 15 feet high, 100 feet long with 1.0 mile of earth ditch.	Gravity; earth dan with a short earth ditch.	Gravity; earth and rock dam with 0.2 mile of earth ditch.	Gravity; earth dam with 0.2 mile of earth ditch.	Gravity; concrete dam with 0.9 mile of earth ditch.	Gravity; earth dam 5 feet high, 130 feet long with 0.7 mile of aarth ditch.	Pump; 25-hp motor with 200 feet of 12-inch pipe and 1.5 miles of earth ditch.	Gravity and storage; earth dam 18 feet high, 400 feet long with 0,1 mile of earth ditch.	Gravity and storage; earth dam IT feet nigh, 800 feet long with 0.2 mile of earth ditch.
dots of	appro- priotion or first use		1858	1860	1860	1860	1860	About 1929	About 1875	About 1951	About 1954
right	Raferanca	(Dentification)	2.17 cfsh Par. 379 ^g 1.65 cfs Par. 320 ^g	1,30 cfs ^h Par. 3098	0.11 cfs Par. 155 ^g	Par. 3088	2.99 cfsh Par. 165 ⁸ 0.50 cfs ¹	1 1	Par. 3428	1	1
Apporant water right	Amount	SUBUNIT (Continued)	2.17 cfsh 1.65 cfs	l.30 cfs ^h	0.11 cfs	2.59 of 8	2.99 cfah 0.50 cfah	1	1.75 cfe ^k Par, 3428 0.25 cfe ^m	ı	1
Арр	Турв	SHASTA SU	Adjud.	Adjud.	Adjud.	Adjud.	Adjud.	Riparian	Adjud.	(a)	(9)
	Amount divarted in acra-fast	LITTLE SH	Not meas. Adjud.	None	Not meas. Adjud.	None	Not meas.	167 ⁿ	234	Not meas.	Not meas.
Worsh use in 1958	Extent and mathod of use	<u> </u>	239 acrea by flooding 40 head	(°)	lo acras by flooding	•	226 acree by flooding	64 acres by flooding	99 acres by flooding 100 head	28 acres by flooding 150 head	86 acree by flooding*
	Purposs		Irrig. Stock.	ITTE +	Irrig. Stock.	Irrige	irrig.	Irrig.	Irrig. Stock.	Irrie. Stock.	Stock.
	Sourca		Little Shasta River	Little Shasta River Irrig.*	Little Shasta River	Little Shasta Kliver Irrig.	Little Shasta River	Bunton Hollow Creek	Shasta Miver	Mutton Greek	
4 200	owner		J. B. Rohrer Minnle A. Tamislea	Arthur O'Connor	D. L. Reynolds	Arthur O'Connor	Gladys I. Hart	G. Roland	F. A. and Joy M. Roberts	Paul Clement	Mrs. Bertha Clement Mutton Greek
- version	ond ond Plote 2 sheet number	20 45 66 63 52	LSN/SW-3LFT (Sheet 3)	LSh/Sh-3581 (Sheet 3)	45N/54-35B2 (Sheet 3)	L5%/5%-35C1 (Reet 3)	USN/54-35F1 (Sheet 3)	U5N/6W-3E1 (Sheet 2)	L5N/6W-7G1 (Sneet 2)	USN/6=-841 (Sheet 2)	(Sheet 2)

* See remarks.

* For additional information see Appendix D
"Detailed Descriptions of Certain Surface
after Diversional
- Information not available.
Por largard forecasts.

-52-

	Osscriotion of Remorks diversion system		1	Arabity; can data if in-the Former owners Henry Mack. (4) Also of earth ditch.	Pormer charges and the property waith daw, former owners: Charles O. Payot, former charges fock. Amount diverted of 458/50-4044, diverts all mater in Orecon Slough.	bigh, 75 feet long with 3.0 Googe Stock. Portion of amount niles of earth ditch.	nains of earth ditch. G. W. Dwinnell.	Gravity; rock tur with 1.0 Former owner: Charles O. Payot.	draw Ly And at range; earth Area irrigated previously received as 1 feet high 7 % feet applemental supply from them be a supplemental supply from the state of th	Purp and start my enth. for thick, 300 for to make the transfer on; with a "sh and and a set a that a set a three transfer ones.	world; contribute to outh the contribution of contribution.	review; rack and with the Former owners; sosonett, Roonge Lewis and Many Truphenus,
Indicoted dots of				About Jravity; 1887 hish, 6	1876 cravity; of 45N/ witht	1876 Jurichy; high, 7 miles o	LPb4, nAttes nAtes	1879 Gravity;	1953 offer by and 10 feet long with inch of ex	1953 Purp and first on; w	1464 Fravillati	l'el
r	Reference fire	 (pen		Par. 136		Par. 313' 11	25. 9' 1	105. 314. 1	Appl. 73%		19r. 623	Hr. 229
Apporent water right	Amount	SUBUNIT (Continued)	<u>x</u>	0.25 cfe	;	1.00 cff x x 0.00 cff x x 0	3.50 2.00 cfe 0.30 cfe	0.40 cfsk	7	312 TI	. 25 of	1.20 ofsm 0.50 ofsm
Δp	Amount diverted Type one-feet	SHASTA SUBU		60 Adjud.	1,377 dparian	:, 207 Adjud.	6,126 Adjud.	748 Adjud.	* 40 L	At price	der and union	195 ad, ud.
Water use in 1958	Extent and method dive	LITTLE S		8 acres by flooding		67 acres by ilowing	27 acres by Londing 125 head	78 acres by flooding 75 head	62 acres by fligding and sprinkler 130 head	(*)	12h erer t	is noted by filesting to be de-
	Purpose			Irrig.	In Figure	I mm to to the	Literation of the control of the con	Irri Stock.	Stuck,	Irrig.	Irra:	L S C C C C C C C C C C C C C C C C C C
	Source			Shanta diver	oregon Stourh	Shasta diver	ata ata e	Ureron Stourh	Tributury to Gregin Slough	Tributary & rear a Slough	Litter chast.	oh sat. diver
	Olversion nome ond/or ownsr			Henry Flock	r rl m. and Fildred O. Flock - Henry Flock	Ear N. and Hildred . Flock Henry Flock	Ant nlo Witch o inqua Ann anuel B. Annyjo Ant B. and ' lifed Flock	. r' b. and .lidred U. Flork	Dana d L. Beambor Paris L. Prather	Drivers in Inthia	olmin K. ik	chidred , frex
Diversion	Location and Plate 2 sheet number		1 0 B B B	45h/64-18H1 (Sheet 2)	4511/64-20A1 (Sheel 2)	(Jhent 2)	45N/19	(5% 'W-2 F1 (5heet 2)	459/64-22C1 (Shert 2)	45%/ 4 2F (Shert .)	(Sheet.)	(3) (3) (3)

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• For additional information see Appendix D,

"Notalled Descriptions of Certain Surface

"Actor Diversions"

— Information not available

Por lattered feeductes, see last page of table

TABLE 5 (Continued)
DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Type Amount Reference first use friends TA SUBUNIT (Coninued) TA S	Water use in 1958 Amount
### BUNIT (Coninued) 0.30 cfa* par. 216*	Purpase Extent and method of use
0.30 erg ⁸ Par. 216 ⁸ Prior Gravity; rock dam with 0.1 Fo 0.10 erg ⁸ 0.10 cfc ⁸ Par. 217 ⁸ Prior Pump; electric motor with Fo 0.1 mile of earth ditch.	רוערב
0.10 cfg ^k Par. 217 ⁶ O.2 mile of petitive to O.2 mile of opetitive to O.2 mile of earth ditch. About Pumpi 10-hp motor vath 900 Feet of coinch pipe. About Gravity; tunber dam vith. O.37 cfg ^h Par. 210 ⁶ 1880 Gravity; tunber dam vith. O.37 cfg ^h Par. 200 ⁶ 1877 Gravity; tunber dam vith. For the pipe and storage; earth ditch. O.37 cfg ^h Par. 200 ⁶ 1877 Gravity; tunber dam vith. For the pipe and storage; earth ditch. O.37 cfg ^h Par. 200 ⁶ 1877 Gravity; C.7 mile of earth For the pipe and storage; earth ditch. O.37 cfg ^h Appl. 17997 10.0 cfs Appl. 11463 ^c I946 Pump; Gord of Society of the office. Inch pipe and 5.5 miles of earth ditch.	Irrig. 6 scres by flooding
	Irrig. 31 acres by flooding
0.25 cfe	Little Shasta River Irrif. (*)
About Gravity and storage; earth 0.37 cfe ^h Par. 209 ^g 1877 Gravity; 0.7 mile of earth ditch. Prior Pump; 43-hp engine with short pipeline. 25.0 cfs Appl.17997 1954 Pumps; one 50-hp and one 100-hp motor with 0.4 mile of 30- inch pipe and 5.5 miles of earth ditch. 1860 Gravity; 10g dam with 40.2 mile of 16-inch pipe and 2.h mile of 16-inch pipe and 2.h mile of sarth ditch. 1956 Gravity; ither dam with 0.2 mile of earth ditch. 1956 Gravity; timer dam with 0.2 mile of earth ditch.	Irrig. 47 acres by flooding* Stock. 20 head
Par. 2098 1877 Gravity; O.7 mile of earth Pales	Tributary to Little Irrig. 86 acres by floodings. Shasts River Stock. 200 head
ALEY SUBUNIT	Little Shasta River Irrig. 46 scree by flooding
Prior Pump; ij.hp engine with short 1946 pipeline. 25.0 cfs Appl.17997 Pumps; one 50-hp and one 100-hp Prmotor with 0.4 mile of 30-inch pipe and 5.5 miles of earth ditch 10.0 cfs Appl.11163 Pump; 50-hp motor with 0.2 miles of earth ditch 1860 Gravity; log dam with two earth ditch. 1956 Gravity; Limber dam with 0.2 miles in length. 1956 Gravity; timber dam with 0.2 miles of earth ditch.	
25.0 cfs Appl.17997	Irrig. 23 acres by sprinklsr Not meas.
10.0 cfs Appl.11463° 1946 Pump; 50-hp motor with 0.2 mile of 16-inch pipe and 2.4 mile of sarth ditch. 1860 Cravity; log dam with two earth ditches totaling 1.5 miles in length. 1956 Gravity; timber dam with 0.2 mile of earth ditch.	Irrig. 1,226 agree by flooding*
1860 Gravity; log dam with two earth ditches totaling 1.5 miles in length 1956 Gravity; timber dam with 0.2 mile of earth ditch.	Irrig. 680 acree by flooding and aprinkler*
1956 Gravity; timber dam with 0.2 mile of earth ditch.	Irrig. 250 acres by flooding Not meas. Stock. 220 head
	Irrig. 158 acree by flooding Not meas. Riparian

See remarks.

 Por additional information see Appendix D "Detained Descriptions of Certain Surface laker Elversions".

Information not available.

-54-

Oiversion				Woter use in 1958		Aoo	Apparent water right	right	Indicated		
Locotion and Plots 2 shast number	Diversion nams ond/or pensi	Spurcs	Purposs	Extent and mathod	Ambunt divertad in pcre-feet	Туре	Amount	Reference	appro- priation or first uss	Description of diversion system	Ramarka
				LOWER	SCOTT V	ALLEY SU	LOWER SCOTT VALLEY SUBUNIT (Continued)	(penuluo)			
H D B & H	Stanley M. Friden	uro Fino Greek	Irrig.	42 acres by flooding	Not meas.	Riparian	***	8 8	Prior	Gravity; timber dam with 0.6	Pormer owners: Lewis, Finsell.
(Sheet 7)	2	120	Stock.		Work mean	at namilan	-	1	Prior		Former Dungers: Levis, Pinwall, Portion
(Shert 7)	Stanley M. Friden	Uro Fino Creek	Stock.			מון לפל זיי		1	1900	earth ditches totaling C.o.	of amount diverted supplemented by NyF-1781 for use reported thereunder, and irrigated an additional 60 acres jointly with 13%/94-20M1.
43N/94-2013 (Short 7)	Stanley N. Friden	Oro Fino Creek	Irris.	17 acres by flooding*	Not mess.	(p)	ŧ	1	1955	Gravity; earth dum 8 feet high, 350 feet long with 0.3 mile of earth ditch.	Portion of amount diverted irrigated an additional 60 acres jointly with 431/9W-20EL.
(3heet 7)	Henry Chester	Shackleford Creek	Irrig.*	(*)	None	Adjud.	0.70 cfs	Div. 18f	6981	Gravity; earth and rock dam with 0.8 mile of earth ditch.	Former owner: Henry F. Chester, Sr. Irrivated 2 acres until 1998. 0.70 ofs April 1 to Getder 21. 0.25 ofs November 1 to March 31.
(Shert 7)	Ereitas Ditch United stares Luresu of Inolan Officias; Lartz Alley Ind an Gestron- tion di urton Lushry inarson	Shackleford Creek	Irrig. Domesti	79 acres by flooding (a)	* 781	Ad Jud.	6.60 cfg.	Div. 17	25.73	iravity, earth and rock dum with 2.2 miles of earth ditch.	roring owners: Jack b. Jehultz, F. L. and recrited. Listneps, Journalsh changed from Gissey Pearson to Tucker in 1950. Amount diverted irrigated an adolt.onal. 25% acres jointly 19th J.M. J.D. 100. 0.60 cfs april 1 to brober 3! which includes 3.10 cfs allotted to John Hähn. 25 cfs is allotted to Foward Burton Howenber I to Jarch 3!.
43%/178-901 (Janeel 7)	John Helde	Sniktaw Creek	Irri.	195 acres by flooding	Not meas.	Miparien	1	1 1	About 1852	Gravity; rock dam with 1.7 miles of earth ditch to a small regulating reservoir.	Pormer owners: Nentuck, Willard Eastlick, unit a Eastlick. Amount diverted supplemented by igh/ICM-911.
6 H. m-9 B.	Con and vennis Mulloy	Shackieford Greek		178 acres by flooding	1,063 ⁿ	Adjud.	5.20 afs.	oiv, 5f	1877	oravity; earth and rock dam 4.5 feet him, 10 Feet long with 3.3 miles of earth ditch.	rormer owners: Howarm, Jones, Kmppel, i. Hisks, i. Sobremstat, J. A. Carson, i. Sobremstat, J. A. Carson, i. S. Helm, imported area irragued includes 152 acres which normal, pressive any tecenial supply from inth Jones and tecenial supply from inth John and J. 1958, 5.20 cff A; ril to October 31.
18. 18. 18. (F)	To play to the billion of the billio	Shacklef of Greek	r cod Ga Ga En	134 ocres by flooding		2,960 Adjud.	2. V . S . S . S . S . S . S . S . S . S	13V. 4	1867	Javity; Og dan 1.5 feet him, SJ feet long with 7.i	Former owners: Howard, Weed, Blake, Former V. A. C. Albes, R. Abbes, C. Zwanziger. Amount diverted supplemented by USY(11x-13x1 and 3lfr. Irritated an edditional 313 ecree jointly with L3V/10w-22Pl. 11.0 efs April 1 to October 31. 2.00 efe November 1 to March 31.

[•] See remarks
• Por seditional information see Appendix D,
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• Information not arealishe
• For lettered footnotes, see last paye of table

-55-

TABLE 5 (Continued)
DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion				Woter use in 1958		App	Apperent woter right	1ght	Indiceted dote of		
Locotion and Plote 2 shaef number	Diversion nome ond/or ownsr	# U.500/S	Purpose	Extent and method of use	Amount diverted in ocre-feet	7 y p e	Ameunt	Reference	oppro- prietion or first use	Description of diversion system	Remorks
				a di mo	F	2	ANITO CONTENT VALUE CONTENT (Content VALUE CONTENT VALUE C				
				LOWER		1	-	/ Danului			
6 th 1 6-461 (3h-at 7)	6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Smith Left of Creek	2 C-1 L1 L2 pol	ŝ	Not meas.	Adjua.	3.5.) off	biv. 3	1311	arevity; log dam with 1.0 miles for earth ditch terminating at Sniktaw Greek. The water spilled at this point is redystried 0.3 mile downstream to several small check dame.	Forer owners: "litard bastlick, callth country, day, deep diverse applemented LM/LOG-90, for use reported therounder 3.50 of a April 1 to October 31. 1.00 of Novambor 1 to March 31.
1 h	intel of the control of the control of control of control of control of control of control of the control of the control of the control of cont	Shackleford Greek	irrik. Domosiic Diock.	99 ucres by flooding 35 persons 100 haid	1,932n	Adjud.	**************************************	biv. 6	1857	Grayley; concrete dum 8 feet high, o fret long with 3.4 miles of earth ditch.	Former wher: Gamp, who and diverted irrigated an additional 452 mers jointly atth 438/100-241, 5.00 efs April 1to Veteiner 31, 1.00 efs Kovember 1 to Karch 31.
(Sheet 7)	_ Donald Hahr	Shackinford Grenk		119 acree by flooding	439	4.39 Adjud.	1.20 cfa*	Drv. 7	1881	Gravity; carth and rock dum with 1.2 miles of earth ditch.	Former owners: 0, ut, Jordan, u. D. Jordan, Jeck Schulz, remaint diverted supplemented by L3U/DG-11C1. 1.20 ofm April 1 to October 31.
3rect 7)	folto: cross.	Shackleford Greek	irrig.	210 acres by flooding	632 ⁿ	Adjud.		j6 *A⊺Ω	About 1878	Gravity; marth and rock dam with 0.6 mile of marth ditch.	corner swhers; sulph H, and Barvey I. Hobert, 1.30 of April 1 to October 31.
338 1 H- 101	Josephine Gunzie, et al	sh ekleförd Greok	1 m m m m	10 acres by flooding	091	160 Adjud.	1.70 cfs	1v. 10f	1480	Gravity; rock and gravel dam with O.1 mile of earth ditten.	Furnic swiners Jacob Danjie, Firtion of amount diverted applemented LJN/LOG-LOPI for use reported thereunder. 1.70 off April 1 to
4 . 1 6- 181 Sheet 7)	Josef . nr Jungle, et al	All Creek	1 F F L P .	32 acres by flooding*	9444	446 Adjud.	3.50 cfs	Drv. 16	1868	Gravity, rock and gravel dam with 0.4 mile of earth disten.	october 3 Former owner; Jacob Dangle. Amount flavered supplemented by JAN/106-1141. 0.50 of5 April 1 to October 31.
(Sheet 7)	Josephine Dangar, et au	1 1 Creek	To the state of th	6 acres by flooding	507	Adjud.	0.25 cfg	ωιν. 15	1872	Gravity; rock and gravel dam with 1.6 miles of earth ditch.	Furner owner: Jacob Danjle, Portion of amount diverted wughleented 13/10/6-11x1 for use reported there-under. 0.25 efe April 1 to October 31.
4, 14/1 Jd-14,31 (Sheet 7)	in the state of th	Will Creek	Stan	4,3 acres by flooding	^R SO ⁷	Adjud.	0.25 cfs 1.15 cf8	Div. 14	1855	Jeavity; earth and rock dam with 1.2 miles of earth ditch.	Furner wares. Horace Words, West Estate, July, ereint, 1.15 ofe April 1 to October 51.
438/134-1444 (Sheet 7)	Con end wennie Ku oy	Springs tributary to Mill Creek	Irrig.	(#)	None	Adjud.	0.10 cfs	Div. 13f	About 1860	oravity; small reservoir with 0.2 mile of earth ditch und 22-inch fibe.	Former owners: Jones, Neppler. Supplemented 4,34/1 4-941 until 1958. 0.4) ofs April 1 to October 31.

[•] See recarks
• For additional information see Appendix D,
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dator Diversions
• Information not at labs
• Information for at labs

Oiversion	i			Water use in 1958		App	Apparent water right	right	Indicated		
Locotion ond Plots 2 shast number	Diversion nome and/or awner	Saurce	Purpose	Extent and method of use	Amount diverted in acre-feet	sov.⊺	Amount	Reference	appra- priotion of first use	Daccription of diversion system	Remorks
				LOWER	SCOTT	LOWER SCOTT VALLEY SUBUNIT	UBUNIT	(Continued)			
M D B & II 433/10W-22P1 (Sheet 7)	iene Selby	Hill Greek	Irrig.	139 acres by flooding*	1,600 ⁿ	Adjud.	10.62 cfg	10,62 cfg Div. 11	1859	high, 50 Cost dam 1.5 feet high, 50 Cost long with 1.8 miles of earth dich.	Forner owners: Jones, Eastlick. Portion of amount diverted irrigated an addition 133 serve jointly with
											4,31/10-5/1. revelously irrigated an additional 4,3 acres. 10.52 cfs April 1 to October 31 which includes the following alloweners: 4,5-0 cfs to 4, wins, 1.30 cfs to 6, web cfs to 8, 1 Couch 62 cfs to 16. where 31 which includes the west 31 which includes the following alloweners and couch Couch. 4, knows, and 110 cfs to 4 Couch.
(Sheet 4)	*.lber and Grace Hullquist Roy E, 1885on	Indian Greek	Irrir.	32 acres by flooding 150 head	76	idpartan	1	1	1852	wravity; earth and rock dam with 1.6 miles of earth ditch.	Former ownere: Perry Woode, Hank Wright. In 1955 the diversion point was moved to its present location. Portion of amount diverted irrigated 131 seree Johnly, with 1,31/9-381.
(Sheet 4)	John Crechricu	Indian Greek	1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	39 acres by flooding	344	diparian	1	1	Abou t 1900	Gravity; curth and rock dam with 0.7 mile of earth ditch.	Former swhers: Charles Owens, bernard Soares.
(Sneet 4)	Aron Fincher	Indian Greek	0 12 7 1 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14 acres by flooding	112	Mparion	1	t i	About 1870	Gravity; earth and rock dam with 0.4 mile of earth ditch.	Former comers: Rallore, Short, Harry and Miry appre-
(Sheet 4)	Aron Elncher	Indien Creek	Irrig.*	(*)	None	niparisn	1	9	1957	Pump; 15-hp motor with a short 5-inch pipe.	Freviously irritated 24 acres jointly with 43% /4-341.
4471/9W-31C1 C	C. W. Birdwell	Scott Miver	17 17 17 17 17 17 17 17 17 17 17 17 17 1	106 acres by flaodang	109	diparian	1	1	1952	Pump; gasoline engane with 0.4 male of earth ditch.	former owner: Thurston, frem irrivated received supply from LAIM/9M-31D1.
(Sheet 6)	C. d. Himmil	Scott Mayer		(a)	79	Approf.		Appl.16149	4561	hamp; 40-h; motor with 0.3 rile of and rile of earth ditch.	Amount diverted ough womented AdA/9M-3161.
(Shret 4)	. umes stlick	Meamber outch	- T.	und sprankler	111	aparian	1	1	Abou t 1860	iravity; concrete dam 2 fret high, 13 fret long with 350 fret of 1 innet inge to 0.7 mite of earth ditch, termi- nating at a small reservoir	dillion linkerten.
(3hert 4)	Warren Lythe Travis wath	universand Juan Creek		Julpooll to sware f	73	usparian	1	1	Prior 195	Smartly: ravel dan with 64	Fre smers; at his Fearl Lo 112-ng
(Shrot)	30 P to 122 y	Intentory t Pattern in Creek	0 4 C 1 2 3 0 4	22 teres by flooding	378	dp man	į	Ţ	At at 1951	andally; anth da with .3	Fine Pount Peaux nante.
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• See remarks
• For additional information:see Appendix D,
• The Lind Descriptions of Certain Surface
• Takes Diversions*
• Information not available
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TABLE 5 (Continued)
DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion				Woter use in 1958		App	Apparent water right	right	indicated date of		
Location and Plots 2 sheet number	Overeign name and/or aener	Source	Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference	oppro- priotion or first use	Description of diversion system	Remorks
								3			
				LOWER	SCOTT	VALLEY SI	LOWER SCOTT VALLEY SUBUNIT (Continuad)	Continuad)			
N D B & II C.N I PM-25CI (Sheet L)	Herbe Spice	Patterson Creek	Irra.	33 acres by flooding and sprinkler	133	niparian	1	ŀ	1870	Gravity, short earth ditch to a regulatory reservoir with 0.3 mile of earth ditch and 300 feet of "a-inch pipe from the reservoir.	Former seners: Berry, Lewis, minters, Ira bastlick.
(Sheet 4)	Merie Bruce Tosier prothers	Patterson Greek	I Pri	29% acres by flooding	973	Mparian	!	1	Prior 1875	Jravity, earth and rock dam with 0.8 mile of earth ditch.	Former ownerst Goodule, Harmond, Gove Fer, Harry G. Dozer, bella II. Toster, Area arrivated received oupplemental supply from 44II/10ii-25III unt. 1957.
(Sheet 4)	Tozier Brothers	Patterson Creek	Irrig.*	(*)	None	Mparian	1	1	1955	Pump; gasoline en;ine with a short 6-inch ripe.	Portable runp location can be on Scott Alver or ratterson Greek. Supplemented 44M/10m-25F1 until 1957.
(Sheet 4)	(Shet 4)	Snilkaw Greek	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	87 acres by flooding	193*	Kiparian	1	g t	Prior 1958	Gravity; concrete dam with J.; mile of earth dilch.	Former owner: Frank Lathrop. Ownership changed to Turker in 1999. Amount diverted supplemented by hLM/104-35F2.
(Sheet 4)	Warren Lytie Travis Saith	Scott Miver	Irrig.	62 acres by flooding	10	niparian	1	1	Prior 1958	Pump; 5-hp motor with 0.2 mile of earth ditch.	
(Sheet 4)	Casey Pearson	Scott Myer	Irris.	(*)	* 777	Kiparian	1	!	1954	Pump; tractor powered with a short pipeline.	O-mership changed to Tucker in 1959. Amount diverted irrigated an additional 122 acres jointly with LLW/104-31KL.
(Shert 4)	Casey Pearson	Tributary to Scott	Irrig. Domestic	13 acres by flooding (a)	78	dparian	ii c	1	Prior 1958	Gravity; 0.2 mile of earth ditch.	Ownership changed to Dacker in 1959.
(Sheet 4)	James Fastlick	Scott Miver	Irrig.*	(a)	None	Kiparlan	t	ì	About 1950	Pump; 11-hp engine with a short 3-inch pire.	Privioualy irrigated 24 acres.
WAN/EW-44K1 (Sheet 4)	Ed Burton Casey Fearson	Sniktaw Creek	Irrig.	38 acres by flooding*	356*	Mparian	1 (6 0	Prior 1958	Gravity; earth ditch 1.2 miles long	torur owner: Frank Lathrop. Ownership, changed to Tuder in 1959, Amount diverted irrigated an additional 122 acree jointly with 44/4/104-2711.
(Sheet 4)	Burnell Burton	Shackleford Greek	11118. 8	(e	None	Adjud.	1. 20 cf.#	Div. 23	About 1870	Gravity, earth and rosk dam with 0.2 mile of earth ditch.	Former owners: brnoe, Stephan burton, irreviously irrichted 2/2 acres jointly with GANN/100-35F1 and GANN/100-35F1 and GANN/100-35F1 and GANN/100-35F1 and GANN-35C1 from April 1 to October 31.
(Sheet 4)	(Sheet 4)	Shackleford Greek	Irrig.	41 acres by flooding	623	Adjud.	(*) 0,20 cfs	Div. 22	About 1879	oravity; concrete dam with 3.5 mile of earth ditch.	torner owners: trnos, Stephan Burton. All or part of Li.O. dis may be diverted by this diversion or LAN/104-3581 from April 1 to October 3. 0.20 ofe November 1 to March 31.

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Oiversion				Woter use in 1958		App	Apparent water right	right	Indicated		
Locotion and Plate 2 sheet number	Diversion nome ond/or owner	Source	Purpose	Extent ond method of use	Amount diverted in acre-fast	Туре	Amaunt	Reference	appro- priotion or first use	Osseription of diversion system	Remarks
				LOWER	R SCOTT	VALLEY S	LOWER SCOTT VALLEY SUBUNIT (Continued)	Continued)			
N D B & M MAN/104-75FT (Sheet 4)	(Sheet 4)	Shackleford Greek	**************************************	10 acree by flooding	813	813 Adjud.	2.40 cfe Div. 21f	biv, 21f	1877	Jravity; earth and rock dam with 0.6 mile of earth ditch.	Former owners: D. L. Miller, J. Advaller, Portion of amount diverted irrigated an additional 242 seres Jointly with 44M/JOM-35R and 44M/JOM-35R intl 1957, 2.40 ofs April 16 October 31, 0.70 ofs November 1 to March 12.
(Shent 4)	Henry Chester Tozher Brothers	Shackleford Greek	Irrig.	18 acres by flooding	1,74,74 0,47,41	Adjud.	1.30 cf.	Div. 19	1869	uranty; earth and rock dam with 2.6 miles of earth ditch.	Normer owners: Harmond brothers, Narshall Grawford, Lewis, Jon Killer, Joe Kivaller, C. B. Camblin. Portion of amount diverted irrigated an additional 2.2 acres jointly with takivo-551 until 1957. 8.60 cfs april 1 to betober 3.1.3. cfs November 1 to March 31.
(Sheet 4)	(Sheet 4) Sd marton Caset Person	Shackleford Greek	**************************************	67 acres by flooding	8 6 2 5 6	Adjud.	5.80 cfs	01v. 20	1875	Gravity; earth and rock dam with 2.0 miles of earth ditch.	Former owners: Hawmond Brothers, Crafford; Levie, Stephan Burton. Ownership changed from Gesey Peerson to Tucker in 1959. Portion of amount diverted eupplemented Lub/1044-26N1 for use reported thereunder. 5.80 cfe April 1 to October 31. 0.25 cfs November 1 to March 31.
					McA	McADAM CREEK	EEK SUBUNIT	L Z			
(Sheet 7)	d. T. Davidson Star Crock, Inc.	Noffett Creek	* 6	40 acres by flooding		1,719 Approp. 2	1,000 MI	1	1890	urutty; concrete dam 3 feet hish, 40 feet lon; with 0,6 mile of earth ditch.	cetormer usines: n. D. mathews, u. A. Duvidson. mrea arrigated is located in the Subunit. Portion of amount diverted supplemented LJN/94-3HZ (Lover Scott Valley Subunit) for use reported thereunder.
(5 J 44 (5)	admod mean n.	Costa Alch	1,11,11	21 acres by flooding	Not meas.	Alparian	1	1	About 1919	Jravity; earth dam with 0.2 mile of earth ditch.	
21.5. 20 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	च । । । । । । ।	offett Creek	F 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	27 acres by floating	Not mras.	diparlan	1	!	About 900	JAVILY; earth and rock dam with 1.2 miles of earth ditch.	Forcer John Simbons, Cramer.
shill Bir Las	10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	offett Greek	. The state of the	197 acres by floodin.	Not m	(9)	1	1	Prior 958	oravity; o dam withl miles of earth ditch.	Forner ownres: "retree, Anton Kings, ic boneld, Hartan.
(1) (1) (1) (1) (1) (1)	1.	office creak	IIII Or ok.	45 acres by flooding	ot meds, whistian	skir arrian	1	1	rior	with '7 mi e of carth disch.	רידוער זאחור: אמנים איזהאנים איזה

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TABLE 5 (Continued)
DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion				Water use in 1958		Αρρο	Apparent water right	- ight	Indicated date af		
Locotion and Plats 2 sheet number	Diversion name and/ar awner	Saurce	Purpose	Extent and method of use	Amount diverted in scre-feet	Type	Amaunt	Reference	appro- priation or first use	Oascription of diversion system	Remorks
						<u></u>		1			
				McA	MCADAM CREEK	EK SUBI	SUBUNII (Confinued)	l loned)			
$\label{eq:definition} \begin{split} \mathcal{A}_{\alpha} &:= \mathcal{A}_{\alpha} \\ &:= \mathcal{A}_{\alpha} &:= \mathcal{A}_{\alpha} \\ &:= \mathcal{A}_{\alpha} := \mathcal{A}_{\alpha} \\ \end{split}$	office Suffer	.codam ureek	Irrig.	24 acres by flooding		dipartan	1	1	Prior 1958	unavity; e rth and rack dam with J.S mile of earth ditch.	Furner umers: John Munes, Bernard Joares, Joares, Haria Soares,
(1) + (obste	olr · · trabutary t	**************************************	30 acres by flooding	367	niparion	1	1	1900	Dravity, D. Loule of earth ditch.	torner swirt: iouis wayis, deported amount diverted includes all water from unit/9=13u., Combined sur ly used for irriv, tion of area indicated.
400% We-150	interior unit	Sering tributary to Irrig.	**)	(4)	*	d parian	1	1	Prior 1900	branty; 0.5 mile of earth ditch.	former swher: Louis buyls, amount diverted and extent of use reported under $44N/44-1301$.
44. 10-13.		cAda Creek	1.2 1.3.5 ·	59 acres by flooding		dipartan	1	ŀ	rrior	ruvity; earth and rock dam with J. 2 mile of earth ditch.	Pomner owners: Louis Davis, Southern Pacific company.
(Street a)	luth 4. Aderhoot	codam Greek	Irrie.	ll4 acres by flooding	305	.tiparian	1	1	1930	uravity; earth and rock dam with 1.0 mile of earth ditch.	Funer owners: white, renton, damous, Suntos, Yann. Ownership changed to H. M. and Paula Klauser in 1959.
(orect a)	" adempost".	Michdam Greek	**	48 acres by flooding	233	d parian	1	# 2	2710r 1930	uravity; earth and rock dam with 0.7 mile of earth ditch.	Former Emergi antite, action, amount someone, someon, fam. Ownership channed h. 4, and Paula Alauser in 1959.
(Shret)	Jess L. fibbs	Ackdam Greek	* (5,2)	15% acres by flooding	385	Approp.	12 MI		About 1900	Uravity; earth and rock dam with 1.0 mile of earth ditch.	Former owner: 14, Freeman,
					MOFFE	TT CREE!	MOFFETT CREEK SUBUNIT	ļ			
43",/74-1831 (shoot 8)	Charles and Bonnie A. Gramer	offett Greek	Irrig.	26 acres by flooding	159	Kiparian	1	1	About 1860	Gravity; send bag dam with 0.4 mile of earth ditch.	former owners: bob walker, fred, ira, Harry and Edward G. Gramer.
(Sheet ?)	Land Dalla	ffett Grook	Irra 1.p.	43 acres by flooding	106	Wijarian	1	;	.rlor 1860	uravity; earth dam with 0.6 mile of earth ditch.	Porner owners: illian, billy malker, milson brothers, Perry Fanns Cor.
43H/24-1261 (Shert 3)	Charge and Bornie A. Cremer	Lattorwood Greek	Irrig. Indust.	8 acres by flooding Lumber mall	\$2°	niparian	1	1	About 1937	uravity; sand bag dam with 0.3 mile of earth ditch.	Former owner: Edward G. Gremer.
(3) (8)	Char es and Bonn on a Graner	Duzel Greek	Estate of the test	9 acres by flooding	74	diparian	l	1	About 1860	oravity; sand bug dam with U.3 mile of earth ditch.	Forner owners: George Anii, Sara Hawksey, Edward G., Fred, Ira, and Harry Cramer.
438/76-, 342 (Sheet 8)	Charles and Bonnie A. Cramer	DAZP1 CTPPR	Table.	10 acres by flooding	57	diperien	3 8	* ;	About 1937	Gravity; sund bag dam with 0.3 mile of earth ditch.	Forum owner: Edward G. Cramer.

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Diversion				Water use in 1958		App	Apporent water right	right	Indicated		
Location and Plate 2 sheet number	Diversion nome ond/or owner	Source	Purpose	Extent and method of use	Amount diverted in ocre-feet	Type	Amount	Reference	oppro- priotion or first uss	Description of diversion system	Remorks
				MOFFE	MOFFETT CREEK	NUBUS	SUBUNIT (Confinued)	(pen			
					-	_	-				
(3 Jack (3))	La (L) part	*offett Creek		35 acree by flooding	4,66	ittpartum	l	1	1860	Gravity; earth dam with 0.8 mile of earth dikch.	Engine owners: Milly malker, as son Brothers, Perry Faris Corp. Area irrinated received on additional
					PARKS	PARKS CREEK	SUBUNIT				
Alk SHOD	zdon - Poulke Yreka Ditch Com, my	Parks Creek	Inrik. Stock.	(m)	5,389" Adjud.	Adjud.	(##)	(459)	1856	Gravity; rock dam with 0.3 male of earth ditch.	Former owner: Zastern Company, Amount diverted supplemented LLM/5%-9P1 (Weed Subunit) for use reported thereunder.
1, 11 6W- A	It. be In C. Rore	rinks Creek	* 3 E LL L	Zil acres by flooding	1,313	Ad_ud.	₩	(*)	1852	Groving, mack da. J fret high 15 feet long with 1.5 miles of earth direct.	Furnity Owners: Irms S. Clark, A. F. and E. A. Gower, A. D. Dake. Ownership of an allocate of an and and and an an and an an and an an an and an
(3he t)	י י יוי יי פונעני	Arbs Creek	0 2-0 1-0 1-0 1-1 1-1 1-1 1-1 1-1 1-1	625 acres by flooding Not man Adjud.	Not mas.	Adjud.	1.65 cfe	Par. 32	1854	Gravity; concrete and timber dam with . 5 mm les of earth ditch.	Figure sweet, 4, b, Dake, Jotton of Arabid divided in additional 2A acres cont.y with 42h/4m #61.
(3hret 12)	the teams of the second	Fark, Crenk	Irrig.	99 acres by flooding	Not mean. Adjud.	Adjud.	2,50 cfs	sur, 90.5	1889	Gravity; earth dan with 3.8 mile of earth dier.	POITH F OWHER: " D. Duke.
(3hert ")	aris Receh	r Pro Greek	Irrip.	(*)	Not meas.	Adjud.	2,25 cfs	rar. 19th	428.	Jravity, 'ravel and earth dam with J.4 mile of earth ditch.	Former owner: W. D. Duke. Arount diverted supplemented L2N/5N-8PI for near removed thereunder
16 5 50-	10.5 4.6	Name of the state	• • • • • • • • • • • • • • • • • • •	52 acres by flooding	Not mer. Adjud.	Att Just	1, 30 cl'sh	Par. 4.1	1475	Gravity; concrete dum with D.* mile of earth ditch.	row or where a b. Pipe
4 - Mile ()	in canch	Sgrin tribin by to Irrite, ark trook	Irrig.	135 acres by flooding Not met. Adjust.	Not mer.	Adjurt.	est of se	cir. 918	£-	funt; electric of r with 175 feet of 3-inch page to 4.4	for the numbers $n_{\rm s}$, we will see that $n_{\rm s}$, i.e. the tribulated properties of the sential $n_{\rm s}$, 15 for $n_{\rm s}$, $1/54^2 TK$,
. ?	10 T. 01	, ika treek	Irrig.	(*)	Ange.	Ad, ud.	. 60 crah	rur. 300 F	1 HR.	Greatly; concrete dam front hash, 30 feet long with 3.1 r ie of earth ditch.	Fortier which Greek live of the Villa of the
(J) - M- (L)	The last of the	7 C7 K	Inc it.) with Sty I Dowlet.	017	hif, u.i.	.25 cfsh	r.,r., 301.	1904	arivity; concrete dara foot. high, 30 feet ion; with . all corth ditch.	i core agree; tallet alea
(chit 2)	Alto Va No 1	rk. Creek	St St.	cres by flowling	291	Ad 114 1.	1.25 effahr.	. r76	(88)	urawing to hereto has will .	a committee to the lands

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TABLE 5 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYOROGRAPHIC UNIT

Olvarsion				Water use in 1958		Apı	Apparent water right	right	Indicated date af		
Location ond Pints 2 sheat number	Oiversian name and/or awner	Saurce	Purpase	Extant and methad af use	Amount diverted in acra-feet	Type	Amaunt	Reference	appro priation or first use	Description of diversion system	Remorks
				α.	PARKS CREEK		SUBUNIT (Continued)	(penu			
H & 1											
6.55 n-1 424 Short 12)	Aus V. Nelson	Wells Greek	Irrig.*	(%)	None	.hdjud.	0.40 cfs	Par.	1889	wravity; short earth ditch.	viously aug energia dellass. vre-
(Sh. et 12)	Las V. he son	west fork of wells Urrek	Irrig.*	(*)	None	Adjud.	0.25 cfsh	Par. 305	1893	uravity;), mile of earth ditch.	rreviously supplemented 428/56-1761.
42% 14-18P1 (Sheet 12)	Aus V. Welson	Arils Creek	Irrig.	(4)	None	Adjud.	0.25 cfs	Par. 298	1889	Greatly; short curth ditch.	Former owner: Cecenta Nelson, rive- viously supplemented 42N/54-1941.
42N/44-14 Sient 12)	Gus V. Heisin	LTKS Creek	Irris.	(a)	None	. Adjud.	0.70 cfs	Pur. 295	1895	Gravity; concrete and timber dum 2 feet high, 35 feet long with 0.2 mile of earth ditch.	tormer owner: Cocetta Nelson, Pre- viously received supplemental sugily fran 42M/Si-BL2. Combined supply normally frigueed 72 acres jointly with 42M/Si-19Al.
42%/5m-1841 (Sheet 12)	Gus V. Metson	Parks Creek	Irrig.	3 acres by flooding	118	Adjud.	0.25 cfs	Far. 304 ^R	1893	Gravity; rock dum with 0.2 mile of earth ditch.	
4-N/5n-1941 Shret 12)	Ous V. Helson	Parks Greek	Irrig. Stock.	91 acres by flooding	561	Adjud.	0.25 cfg 0.50 cfs 0.55 cfs	Par. 2948	1893	Gravity; rock dam with 1.1 miles of rarch ditch.	Area irritated includes 22 acres which normally were try midd obtain with 42M/5%-18 d. Previously received augitemental supply from 42M/5#-181.
1,2N/5W-1 JCI (Sheet 12)	Jus 7. Selson	bast Fork of Wella Greek	Irrig. Stock.	7 scres by flooding	128	Adjud.	0.25 cfs	Par. 3068	1893	Gravity; rock dam with 0.1 mile of earth ditch.	Area irrigated previously received supplemental supply from 42N/5m-18N1.
6. i 54-17(' (Sheet 12)	Harry dohertson	Walker Slough	Irrig. Stock.	189 acres by flooding 100 head	375	Adjud.	2.00 cfa	Par. 3198	1885	Gravity; sump with 1.4 miles of earth ditch.	Pormer owners: milliam i, Kiernan, Plumas County Bank, Joe Kussalini.
12.1 Seet 12)	Martin m. and Laura i. Little Jus V. Weison	Parks Creek	irris. Stock.	LO acree by flooding*	966	Adjud.	0.30 cfa	Par. 2228	1873	Uravity; rock dam with U. miles of earth ditch.	former where wound A. Nelson, Amount diverted aupplemented by U2N/54-2901.
42%/54-20%1 (Shret 12)	Harid A. nd Lannie I. Lemos Martin e. and Laura M. Little	Purks Creek	Iffic. Stock.	43 acres by flooding	629	Adjud.	0.70 cfs 0.25 cfs 0.45 cfs 0.10 cfs	Par. 219 ⁸ Pur. 220 ⁸ Pur. 221 ⁸	1872	Gravity: timber and loy dam 2 feet high, 20 feet long with O.6 mile of earth ditch.	tormer owner: v. V. Lnos.
1221/5W-23C1 (Sheet 12)		Ратко Стеек	Irrig.	42 acres by flooding	973	Adjud.	0.70 cfd	Par. 218 ⁸	Prior 1872	Gravity; 1,3 miles of earth ditch.	Former owner: J. V. wass, Jesse H. and Henricha Lemos. Portion of amount divarted supplemented L2N/5-2041 for use reported thereunder.
424/54-29P1 (Sheet 12)	Parks Greek .unch	Spring Creek	PS) Self file file file file file file file f	13 acres by flooding	Not meas.	Adjud.	0.15 cfg	Par. 3978	1858	Gravity; 400 feet of earth ditch.	Former owners: Mary A. Wholey, Elizabeth E. Wholey, Martha D. Levis, Ean Thodey, Ownership charged to William E. Cort, Jr. and Sons to 1959. Area irrigated previously received applicamental supply from \$42N/5%-3252.

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-62-

Diversion				Water use in 1958		App	Apparent water right	ight	indicated dote of		
Locotion and Plate 2 sheet number	Diversion name and/or awner	Source	Purpose	Extent and method of use	Amount diverted in acre-feet	Туре	Amount	Reference	oppra- priation ar first use	Oascription of diversion system	Remarks
				ď			CHBUMIT (Control	(100)			
				T -	באהו		10001	(pan			
4.21/54-2912 (Lhoet 12)	orke Creek Panch	Spring Creek	I resident	103 acree by flooding Not meas.		Adjud.	0.70 cfsh	Par. 398	1858	Gravity; earth dam 8 feet hiph, 150 feet long with 0.7 mile of earth ditch.	Former owners: Mary A. Wholey, Edne L. Wholey, Litzauber L. Wholey, Eurphan D. Lewie. Core, U. and Sons in 11959. Area Irrigated previously roceived supplemental supply from 428/54-3222.
428/58-29-1	Vinta ue dater Conservation District	Parks Greek	to ord Sel So Ind	(0)	3,250	Арргор.	14,000 af	Appl.3555	1926	Greatly, concrete dam 7 feet hlyb, dd feet long with 0.8 mile of earth ditch termi- naling at Shasta idver above Dwinnell ieservoir.	Amount diverted supplemented 1,3N/5W-25L1 (Dwinnell deservoir Subunit) for use reported thereunder.
.,2% 54-3141 (Shert 12)	ladrella C. More	Parks Creek	00 10 14 14 14 14	(*)	None	Adjud.	6.0 cfs ^{h*} Par. 113 ⁸	Par. 113 ⁸	1852	ditch.	Former owners: Irma 3, Clork, A. b. and E. A. iwee, A. D. Dake. Ownership changed to William E. Cort, ur. and Sons in 1959. Previously irrigated 25 acres jointly atth 42N/54-32E. acres jointly atth 42N/54-32E. acres diverted attor in part vie 41N/64-32E. diverted attor in part vie 41N/64-32E. or 42N/54-3111, 42N/54-312E.
6.34/54-31 1 (Shire 12)	Isabella C. Hore	Porks Creek	to ord for for pred	203 acres by flooding	767	Adjud.	*	(%)	1891	Gravity; rock dam with 0.7 mile of earth ditch.	korner owners: Irna 3, Clark, A, E, and E, A, toke, W, D, Dike, Conceptly changed to William E, Cort, Jr. and Sons in 1959. For water details see (2N/50-3131).
57.75.1	Isatrelas . More	Yorth branch of Par a Creek		(*)	None	Adjud.	②	*	1852	Gravity; 0.2 mile of earth ditch.	Former owners: Irna 5. Clark, A. b. und b. A. Howe, A. b. bake. Ownership changed to Alliam b. Oort, Jr. and Sons in 1959. Previously irrigated 25 acres janual, with 421/5m-3141. For white right details see 421/5m-3141.
54 - 54 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5	110 mg 11 c y	North Mranch of Marks Greek	Irrig.	(*)	None	Ad sud.	÷	(*)	1900	Junuity; 150 feet of earth ditch terminating at Spring Creek, the water splined creek, the mater splined i.d mile downstream at 421/5n-2992.	Foncer owners: Irms 5. Clark, A. b. and b. A. Jose, n. b. Dake. whereship changed to All Lists E. Gort, ve. ond Sons in 1959. Previously supplemented 12% 54-29? and 42M/5n-2972. For water right details see 42M/5n-3101.
of barrott.	i stanto Addin	o rir . uributary to Irri	e de	39 acres by flooding	Not mego. Charlen	Warinn (1)	1	1	Prior 1945	.m.wity; Farth dam 6 feet high, 25 feet long with 0.4 mile of curth ditch.	Former owner: Joe Aussolini.
	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	lantin Auch	Look .	213 acres by flooding	873	Ad.;ud.	J.80 cfg par. 192 U.25 cfg	Par. 192	1869	invity; rock dum with 1,5 miles of earth ditch.	Former owners: D. Alernan, J. M. Akernan, Mase E. Locklin, Rupert F. Hathey.

[•] See rozarka

• Por additional information see Appendix D,

**Per additional processor of Certain Surface

Athor Diversions

** Information not av tiable

** Por lattured footnotiee, see last p.ve of table

TABLE 5 (Continued)
DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

			Water uss in 1958		App	Apparent wotar right	right	Indicated date of		
Oversian name and/ar awner	Source	Purposa	Extent and method of use	Amount diverted in ocre-fast	Турв	Amount	Raferanca	oppro- priotion or first use	Osscription of diversion system	Remorks
			74	PARKS CREEK	l .	SUBUNIT (Continued)	linued)			
Laura M. Cawley	Parke Creek	Irrig. Stock.	313 acres by flooding Not meas. Adjud.	Not meas.	Adjud.	2.98 cfs	2.98 cfe ^k Par. 343 ^g	1905	Gravity; 0.2 mile of earth ditch.	Pormer owners: M. A. Silva, Harry Solaco.
Tisson Ranch Si	Spring tributary to Parks Creek	Irrig.	259 acres by flooding* Not meas. Adjud.	Not meas.	Adjud.	1.15 cfe ^h Par.	Par. 996	1870	Gravity; 3.0 miles of natural channel.	Former owner: w. D. Duke. Area irri- gated received supplemental supply from U3W/5 w-32Al.
Grisson Kanch	Parks Creek	Irrik.	(#)	Not meas.	Adjud.	0.80 cfe ^h Par. 97 ^R	Par. 97 ^R	1875	Gravity; rock dam with 1.0 mile of earth ditch.	Former owner: W. D. Duke. Amount diverted eupplemented L3N/5W-2881.
Griesom Ranch Pa	Parks Creek	Irrig.	52 acres by flooding	Not meas. Adjud.	Adjud.	0.85 cfs Par. 96	Par. 96 ^g	1876	Gravity; earth dam with 0.2 mile of earth ditch.	Former owner: A. D. Duke.
			_	SHACKLEFORD		CREEK SUBUNIT	TIN			
Cliff Lake* R. A. Folendorf	Shackleford Greek	50 74 20 80 80	(*)	Not meas. Adjud.	Adjud.	150 af	Page 15	1883	Gravity; earth and rock rubble dam 6 feet high, 20 feet long. Water released down creek for rediversion at 42%/likeller.	Former owner: Abbie C. Albee. Natural lake enlarged by dan. Supplemente LNH/10H-9XI (Lower Scott Valley Subunit) for use reported thereunder.
Campbell Lake*	Mackleford Creak	14 14 15 15 15 15 15 15 15 15 15 15 15 15 15	*	Not meas. Adjud.	Adjud.	350 af	Page 15	1883	Gravity; earth and rock dam 18 feet high, 90 feet long. Water released down creek for redyersion at L3MlOM-SKI (Lower Scott	kemarks for L2N/ll4-33Rl apoly.
				nos	TH FORK	SOUTH FORK SUBUNIT			Valley Subunit).	
Fench Mining Company	Jackson Creek	F1 50 50 50 50 50 50 50 50 50 50 50 50 50	(*)	Not meas.	Not meas. Riparian	1	1	Prior 1900	oravity; earth and rock dam with earth ditch terminating at Wildeat Creek. The water epilled at this point is rediverted downstream at loN/9H-23il.	Amount diverted supplemented LON/94-23%1.
Alfonso J. Fuglietaler	Miners Creek	Irrig.	62 acres by flooding*	263#	Adjud.	1.06 cfs*	1.06 ofs# Div. 29	Prior 1955	Gravity; 2.7 miles of earth ditch,	Former owner: Welch, Amount diverted supplemented by LCW/94-7Hl. If water right amount is not swallable in Miners Greek, it may be diverted from Duck Lake Greek by LCM/94-7Hl.
J. D. and Ruth A. Proctor	South Norse Range Creek	Irrig.e	(*)	None	Adjud.	0.13 cfs	Div. 7	Prior 1955	Gravity; 0.3 mile of earth ditch.	Previously irrigated 6 scres by flooding.
H. Jongen and Elinore Lanielson	French Greek	Irrig. Stock.	5 acres by flooding* 200 head	1,027*	Adjud.	2.08 cfs	Div. 3 ^d	Prior 1955	Gravity; rock dem with 2.8 miles of earth ditch.	Portion of amount diverted supplemented [LIN/94-33R] for use reported thereunder.

[•] See remarks.
• Por additional information see Appendix D
"Petalled Descriptions of Cortain Surface
"lear Diversions".
- Information not available.
For lettered footnotes, see last page of table.

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Oiversion				Woter use in 1958		1dV	Apperent water right	right	Indicated		
and Plote 2 sheet number	Owner	Source	Purpose	Extent and method	Amount diverted in acre-feet	Туре	Amount	Reference	appro- priation or first use	Description of diversion system	Renarks
					SOUTH	FORK SU	SOUTH FORK SUBUNIT (Confinued)	ntinued)			
MOBEM						_					
(Sheet 16)	Alfonso J. Puglistaler	Duck Lake Greak	ITTE.	•	©	Adjud.	2.50 cfa		About 1858	Gravity; 0.8 mile of earth ditch to French Creek. The creek channel is used as conduit to a rediversion point 0.3 mile downstream. Another 1.0 mile of earth ditch links the system to Miners Creek where final diversion is made 0.5 mile downstream at LOW/SW-LQI.	Former owner; welch, Amount diverted supplemented UON/Sw-LQJ, for use reported therwider. Reported water Tight amount can be diverted in lieu of diversion by LON/Sw-LQI when there is no water available in Misters Greek. The amount of water delivered to the Alfonso J. Fugliataler ranch shall not exceed 1.06 cfs.
LCN/9W-15K1	Andrew L. Darbee	Sugar Creek	Irrig.	80 ecres by flooding*	Not meas.	Adjud.	76 M 19 M 605 M	Par. 3P	1873	Gravity; rock dam with 3.L milee of earth ditch.	Former cwners: Robert Sullivan, Annie H. Darbee.
LON/9W-21A1 (Sheet 16)	J. B. Sullivan	Sugar Creek	Irrig.	35 acres by flooding	Not mase.	Adjud.	100 MI	Par. 6P	1873	Gravity; earth and rock dam with U.O miles of earth ditch.	Former owner: Jim Parker.
LON/94-23G1 (Sheet 16)	Allen Moore	Wildcat Creek	Irrig. Stock.	97 scres by flooding 150 head	361 ⁿ	Riparian	1	1	Prior 1958	Gravity; log dam 3 feet high, 15 feet long with 3.4 milee of earth ditch.	
LON/94-23N1 (Sheet 16)	J. B. Sullivan	Wildcat Creek	Irr18.	126 acres by flooding	1,427 ⁿ	Riparian	1	1	Prior 1900	Gravity; earth and log dam i feet high, 15 feet long with 1.7 miles of earth ditch.	Former owner: Jam Parker.
LON/94-2LR1 (Sheet 16)	Dick Heyden	Scott River	Irrig. Stock. (*)	38 acres by flooding 125 head (*)	1,142	Riparian	ı	ı	About 1901	Gravity; rock and log dam with 1.9 miles of earth ditch.	Former owners: J. R. Wade, R. Mayden. Previously supplied a placer mine.
LON/9W-25J1 (Sheet 16)	L. B. Bergenyder	Boulder Craek	Irrig. Stock.	u8 acres by flooding 75 heed	682	Riperian	1	;	About 1850	Gravity; log and corrugated iron dam L feet high, 50 feet long with 2 miles of earth ditch.	Former ownerst Parker, Meesner, Mitchell, Ferguson.
LlN/94-32A1 (Sheet 13)	Herry M. and Marthe B. Bemrod Walter L. and Barbara B. Byers	French Creek	Irrig.	68 ecres by flooding*	Not meas. Adjud.		1.92 cfs* 1 0.th cfs*	mv. 11 ^d	Prior 1955	Oravity; rock dam with 2.5 miles of earth ditch.	1.92 cfs allotted to Bemrod. O.Ub cfe allotted to Byers.
LlN/94-3261 (Sheet l3)	J. D. and Ruth A. Proctor	Paynes Lake Creek	Irrig. Stock. Domestic Power	lid ecree by flooding and sprinkler (a)	1,356	Adjud.	1.70 cfa	Div. 10 ^d	Prior 1955	Gravity; log and gravel dam 2 feet high, 50 feet long with 1.1 miles of earth ditch.	
UN/%=38H (Sheet 13)	H. Jorgen and Elinore Danielson.	Miners Creek	ੁ ਹਵਾ ਹਵਾ	80 acres by flooding*	32*	Adjud.	0.17 cfe	ы v. 30	Prior 1955	Gravity; rock dam with 0.5 mule of earth ditch.	Amount diverted supplemented by LOX/SW-5Kl.

• fee remarks.
• For additional information see Appendix D. Prailled Forerprinte of Cortain Surface water Diversions.
• Information not available.
For lettered footnotes, eee last page of fable.

Type Ameunt Reference Printer Printe	• 60				Woter use in 1958	\$ Carolina	Арр	Apporent water right	right	Indicated date of oppro-	Description of	· ·
FORK SUBUNIT (Continued) Adjud. 80 af Div. 15 Prior Gravity; siphon, 600 feet (Gallshan Subunit). SPRINGS SUBUNIT Adjud. 1.30 cr8	ond/or Source Purpose Extent and method	Purpose		Extent and method of use		diverted in ocre-feet	Туре	Amount	Reference	priotion or first use	diversion system	R∉morks
SPRINGS SUBUNIT SPRINGS SUBUNIT SPRINGS SUBUNIT SPRINGS SUBUNIT SPRINGS SUBUNIT SPRINGS SUBUNIT Adjud. 1.70 cfg. Par. 236 1899 Gravity; rock dam with 0.3 hymner conner: lemmel dennis mile of earth ditch. (E) Par. 236 1890 Gravity; rock dam with 0.9 F. rere conner: lemmel dennis mile of earth ditch. (E) Par. 237 About Gravity; rock dam with 0.9 F. rere conner: lemmel dennis mile of earth ditch. (E) Par. 237 About Gravity; rock dam with 0.9 F. rere conner: lemmel dennis mile of earth ditch. (E) Par. 237 About Gravity; rock dam with 0.9 F. rere conner: lemmel dennis mile of earth ditch. (E) Par. 237 About Gravity; rock dam with 0.9 F. rere conner: lemmel dennis mile of earth ditch. (E) Par. 237 About Gravity; wo concrete boyes longer conners: ered lumber of ditch. (E) Par. 232 About Gravity; wo concrete boyes longer conners: ered lumber of ditch. (E) Par. 326 About Gravity; wo concrete boyes longer conners: ered lumber of conjuny. (E) Par. 327 About Gravity; wo concrete boyes longer conners: ered lumber of conjuny. (E) Par. 328 About Gravity; wo confere boyes longer conners: ered lumber of conjuny. (E) Par. 328 About Gravity; wo confere boyes longer conners: ered lumber of conjuny. (E) Par. 328 About Gravity; wo confere boyes longer conners: ered lumber of conjuny. (E) Par. 329 About Gravity; wo confere boyes longer conners: ered lumber of conjuny. (E) Par. 329 About Gravity; wo conners oners: ered lumber of conjuny. (E) Par. 329 About Gravity; wo confere boyes longer oners: ered lumber of conjuny. (E) Par. 329 About Origin plyr. (E) Par. 329 About Origin plyr. (E) Par. 329 About Origin plyr. (E) Par. 320						SOUTH	FORK S	UBUNIT (Co	(panuluc			
SPRINGS SUBUNIT Adjud. 1.70 cfg ³ Par. 74 ⁶ 1899 Gravity; rock dam with 0.9 F. Ther conner: Lemuel Dennisa male of earth ditch. EED SUBUNIT Adjud. (g) Par. 230 ⁶ About with 1.0 mile of earth ditch. Adjud. (g) Par. 230 ⁶ About Gravity; earth and rock dam Long Hell Lumber Company. Adjud. (g) Par. 230 ⁶ About Gravity; two concrete bows Long well Lumber Company. Adjud. (g) Par. 230 ⁶ About Gravity; wood headworks with Long Long well Lumber Company. Adjud. (g) Par. 230 ⁶ About Gravity; wood headworks with Long well Lumber Company. Adjud. (g) Par. 230 ⁶ About Gravity; wood headworks with Conners: weed Lumber Goosany Lipe. Adjud. (c) Par. 230 ⁶ About Gravity; wood headworks with Company Lipe. Adjud. (c) Par. 230 ⁶ About Gravity; wood headworks with Conners: weed Lumber Company. Adjud. (c) Par. 230 ⁶ About Gravity; wood headworks with Conners: weed Lumber Company. Adjud. (c) Par. 230 ⁶ About Gravity; wood headworks with Conners: weed Lumber Company. Adjud. (c) Par. 230 ⁶ About Gravity; wood headworks with Conners: weed Lumber Company. Adjud. (c) Par. 230 ⁶ About Gravity; wood headworks with Conners: weed Lumber Company. Adjud. (c) Par. 230 ⁶ About Gravity; wood headworks with Conners: weed Lumber Company. Adjud. (c) Par. 230 ⁶ About Gravity; wood headworks with Conners weed Lumber Company. Adjud. (c) Par. 230 ⁶ About Gravity; concerted to About Well Lumber Company. Adjud. (c) Par. 230 ⁶ About Gravity; concerted to About Well Lumber Company. Adjud. (c) Par. 230 ⁶ About Gravity; concerted to About Well Lumber Company.	(Shert 13) C. A. Hall, et al. Smith Luke Irrig. (e)	Smith Lake Irrig.		(a)			Ad jud.		Div. 15	Frior 1945	Jons, releasing water to a tributory of French Greek to be rediverted d.) as ten downstream at d.D/94-21N1 (Callaban Submit).	Previoualy su premented 41M/94-21N1 (Cultanan Subunit).
1.30 cfgh Par. 526 1.30 cfgh Par. 626 1.30 cfgh Par. 526 1.30 cfgh Par. 526 1.30 cfgh Par. 230 Mout Gravity; rock dam with 0.9 Former owner: Fwarl B. Clarity Par. 230 About Gravity; word carth ditch. (g) Par. 230 About Gravity; earth and rock dam Former owners: weed lumber Gospany. (g) Par. 230 About Gravity; wood headworks with 1.3 miles of 10-inch pipe to 1.2 cfs previously through weed Lumber Company. (g) Par. 230 About Gravity; wood headworks with 1.3 miles of 10-inch pipe to 1.2 cfs previously through weed Lumber Company. (g) Par. 232 About Gravity; wood headworks with 1.3 miles of 10-inch pipe to 1.2 cfs previously to were 1.2 cfs previously through weed Lumber Company. (g) Par. 232 About Gravity; wood headworks with 1.2 cfs previously through weed Lumber Company. (g) Par. 230 About Gravity; wood headworks with 1.2 cfs previously through weed Lumber Company. (g) Par. 232 About Gravity; wood headworks with 1.2 cfs previously through weed Lumber Company. (g) Par. 230 Gravity; concrete dun 3 feet. (g) Par. 230 Gravity; concrete dun 3 feet. (g) Par. 230 About Gravity; concrete dun 3 feet. (g) Par. 230 About Gravity; concrete dun 3 feet. (g) Par. 230 About Gravity; concrete dun 3 feet. (g) Par. 230 About Gravity; concrete dun 3 feet. (g) Par. 230 About Gravity; concrete dun 3 feet. (g) Par. 230 About Gravity; concrete dun 5 feet Dun 4 feet Dun						STEWART			-			
(g) Par. 230 About viewity; earth and rock dam Former owners: Frar! H. Claristellul (g) Par. 230 About viewity; earth and rock dam Former owners: weed Lumber (c) Par. 230 About Gravity; two concrete boxes born uell Lumber Company. (g) Par. 230 About Gravity; two concrete boxes born uell Lumber Company. (g) Par. 230 About Gravity; two concrete boxes born uell Lumber Company. (g) Par. 230 About Gravity; two concrete boxes born uell Lumber Company. (g) Par. 230 About Gravity; wood headworks with bloch. (g) Par. 230 Par. 230 About Gravity; wood headworks with bloch. (g) Par. 230 Par. 230 About Gravity; wood headworks with bloch. (g) Par. 230 Par. 230 About Gravity; wood headworks with bloch. (g) Par. 230 Pa	Peorgrand Parks Greek Irrig. 40 scres by flooding Vanderbile	Irrig. 40	077	40 acres by floodin	60	8577	Ad jud.	1.30 cfsh	Par. 74	1889	Gravity; rock dam with 0.3 mile of earth ditch.	
(g) Par. 230 ^g About drawity; earth and rock dam Long Well Dumber Company. (g) Par. 230 ^g About Gravity; two concrete boxes conners: meed Lumber Company. (g) Par. 230 ^g About Gravity; two concrete boxes conners: meed Lumber Company. (g) Par. 230 ^g About Gravity; two concrete boxes conners: meed Lumber Company. (g) Par. 230 ^g About Gravity; wood headworks with portion of the city of weed conners: meed Lumber Company. (g) Par. 230 ^g Par. 231 ^g About Gravity; wood headworks with Dirch. (g) Par. 230 ^g Par. 210 ^g Cravity; wood headworks with Conners: meed Lumber Company. (g) Gravity; wood headworks with Dirch. (g) Ar. 230 ^g Par. 230 ^g Gravity; wood headworks with Dirch. (g) Ar. 230 ^g Par. 210 ^g Cravity; concrete Cdun 3 Pert. (g) Ar. 210 ^g Par. 210 ^g About Gravity; concrete Cdun 3 Pert. (g) Ar. 210 ^g Par. 210 ^g About Gravity; concrete Cdun 3 Pert. (g) Ar. 210 ^g Par. 210 ^g About Gravity; concrete Cdun 3 Pert. (g) Ar. 210 ^g Par. 210 ^g About Gravity; concrete Cdun 3 Pert. (g) Ar. 210 ^g Par. 210 ^g About Gravity; concrete Cdun 3 Pert. (g) Ar. 210 ^g Par. 210 ^g About Gravity; concrete Cdun 3 Pert. (g) Ar. 210 ^g About Gravity; concrete Cdun 3 Pert. (g) Ar. 210 ^g About Gravity; concrete Cdun 3 Pert. (g) Ar. 210 ^g About Gravity; concrete Cdun 3 Pert. (g) Ar. 210 ^g About Gravity; concrete Cdun 3 Pert. (g) Ar. 210 ^g About Gravity; concrete Cdun 3 Pert. (g) Ar. 210 ^g About Gravity; concrete Cdun 3 Pert. (g) Ar. 210 ^g About Gravity; concrete Cdun 3 Pert. (g) Ar. 210 ^g About Gravity; concrete Cdun 3 Pert. (g) Ar. 210 ^g About Gravity; concrete Cdun 3 Pert. (g) Ar. 210 ^g About Gravity; concrete Cdun 3 Pert. (g) Ar. 210 ^g About Gravity; concrete Cdun 3 Pert. (g) Ar. 210 ^g About Gravity; concrete Cdun 3 Pert. (g) Ar. 210 ^g About Gravity; concrete Cdun 3 Pert. (g) Ar. 210 ^g About Gravity; concrete Cdun 3 Pert. (g) Ar. 210 ^g About Gravity; concrete Cdun 3 Pert. (g) Ar. 210 ^g About Gravity; concrete Cdun 3 Pert. (g) Ar. 210 ^g About Gravity; concrete Cdun 3 Pert. (g	## Anita Zahnila Parks Creek Irrig. 29 acres by flooding Anita Zahnila Stock. 50 head Vanderbilt	Irrig. 29 Stock. 50	2,3	29 acres by flooding 50 head	0.4	393		.70 cfsh	Par. 628	1893	Gravity; rock dam with 0.9 mile of earth ditch.	
(g) Par. 2306 (g) Par. 2306 (g) Par. 2306 (h) Par. 2306 (g) Par. 2307 (g						*		TINO				
(g) Par. 230 ⁸ About Gravity; two concrete boxes rormer owners: merd Lumber (c), 17 efs Par. 232 ⁸ Par. 230 Gravity; wood headworks with Ditch. (g) Par. 230 Gravity; wood headworks with Ditch. (h) Par. 230 Gravity; wood headworks with Ditch. (g)	International Paper Beaughan Greek Irrig. 82 acres by flooding Scock. 75 head	Beaughan Creek Irrig. 82 Stock. 75	822	82 acres by flooding 75 head		214	Ad jud.	33	Par. 230g Par. 231g		vravity; earth and rock dum with 1.0 mile of earth ditch.	Former swhers: weed Lumber Company, Long Hell Lumber Company.
0.50 cfs Par, 51 ⁸ 200 feet of 4-inch pape to a small reservoir. a small reservoir. (g) ar, 230 923 Gravity; Wood headworks with 0.20 cfs J nump i to over a small reservoir. Into of 10-inch pipe. Don; Leal Luiner Company.	International Paper Springs tributory Munic. (*) Company to beaughun Greek Domestic (*)	Springs tributory Munic. to beaughan Greek Domestic		* *		Not meas.	Adjud.	(g) (g) 0.17 cf	Par. 2306 Par. 2316 Par. 2320	About 1903	Granty; two concrete boxes with 1.3 miles of 10-inch pipe.	rorace owners: "eed Lumber Cospany, born tell Luwler Cospany, erves a portion of the city of seed and domestic needs of con, any plants in seed, 0.17 cfs previously taken throuth need Lumber Company rith bitch.
(g) .ar. 23v 923 Gravity; concrete dan 3 Feet. high, 10 Feet long with 3.3 mile of 10-inch pipr.	41N/43-1MPL Southern .acific . Black dutte Spring Irrig. 3 geres by flooding (sheet 15) Company	Irrig. 3 Domestic 6	m 0	m 0		8	Adjud.	0,50 cfs	Par. 518		Gravity; wood headworks with 300 feet of 8-inch pipe t. a small reservoir.	f., %
	International Paper Beaughan Creek Indust. Lumber mill Company	Indust.		Lumber mill		2,900	Adjud.		. ar. 230		Gravity; concrete dum 3 feet high, 10 feet long with 0.3 mile of 10-inch pipr.	Popper uniters: ************************************

[•] See remarks
• For additional information see Appendix D,
• Detailed Descriptions of Certain Surface
Water Dyrestions
• Information not available
• To lattered footnotes, see lest page of table

TABLE 5 (Continued)
DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion				Water use in 1958		App	Apparent water right	right	Indicated date of		
Locarion ond Plots 2 shaet number	Diversion nome ond/or owner	Source	Purpose	Extent and method of use	Amount diverted in ocre-feet	Туре	Amount	Reference	oppro- priotion or first use	Oescription of diversion system	Remorks
					WEED		SUBUNIT (Confinued)	(ps			
DB & P 41K/5W-1H1 (Sheet 15)	International Paper Beaughan Greek Company	Beaughan Creek	Irrig. Stock.	109 acres by flooding	196	Adjud.	(8)	Par. 230 ^g	About 1900	Gravity; rock and earth dam With U.8 mile of earth	Forner owners: Weed Lumber Company, Long sell Lumber Company, area irri-
4117/5-4-1142 (Sheve 15)	International Pager beauthan Creek Company	beau¢han Creek	Stock.	(*)	279°	279° Adjud.	(8)	Par. 230 ^g	About 1900	uren. Uravity; rock and earth dam with 0.5 mile of earth ditch	gacet received suppremental supply gacet received suppremented supply former owners: weed Lumber Company, Long dell Lumber Company, diversed suppremented LiMfacili.
41%/5#-2E. (Sheet 15)	.ete Salanti	Boles Creek	Stock.	82 acres by flooding 60 head	269	Adjud.	0.80 cfsh Par. 326 ⁸ 0.20 cfs Par. 67 ⁸	Par. 3268 Par. 678	1885	Gravity; timber dam with 1.0 mile of earth ditch and 300 feet of 10-inch pipe.	rormer: Henry A, Behnke.
(Sheet 15)	International Paper Company	Boles Creck	Nec.	37 acre golf course	137	(9)	1	}	1952	Pump; 20-hp motor with a short 4-inch pipe.	
4 %/54-24 (Sheet 15)	Shastina water Service W. b. Rrum	Spring tributary to Sunic. Boles Greek	Sunic.	(%)	Not meas.	(a)	1	1	1918	rumps; 20-hp and 7.5-hp motors with 0.3 mile of 3-inch pipe to 2 storage tanks.	Former owner: Thomas Sulliyan, Serves a portion of the City of Weed.
41% 'sw-3G1 (Shert 15)	Charles 5, and bora Davidson	Moles Creek	Irric.	3 acres by flooding	Not meas. Adjud.	Adjud.	0.25 cfs ^h Par. 69 ^g	Par. 69 ^g	1691	Gravity; 0.2 mile of earth ditch.	Pormer owner: Emma G. Kukens.
4 N/SW-3D1 (Jhn+t 15)	ike Belcastr	Boles Creek	Irriy. Stock.	4 acres by flooding 20 head	т.	.bughd.	0.10 cfs	Par. 332 ⁸	1904	Gravity; earth dam with 0.1 mile of earth ditch.	Porner awner: Louie Scalise.
"AIN/5W-4Fl (Shret 15)	Floyd Barnum William H. King John J. and Lillian M.	Shasta diver	Irrig.	28% acres by flooding 100 head	898	Adjud.	5.℃ cfs	Par. 197 ⁸	1856	Gravity; concrete dam with 1.6 miles of earth ditch.	Pormer owners: Frank & Ming. Carrie Ann Nusshufer.
4111/54-5111 (Sheet .5)	Stuart Harmond	Spring tributury to Shasto Marr	Irrig. Donestic Stock.	18 acres by flooding (a)	S	Mparion	1	1	rrior 1916	Uravity; J.2 mile of earth ditch and O.1 mile of 2- inch bipe.	Former peners: 3, Scott, C. S. Harmond.
4 % 54-5K.	ordert M. und	Spring tributary to Shasta Myer	Jrrig.	10 head	10*	.tiparian	1	ı	rior 1900	wravity; earth dam with a short earth ditch.	Forner owners: J. Durney, C. S. Harmand, Anount diverted supplemented 418/5%-17F2,
12 SAL 1	puosity quite	Siming tributury t shasta diver	**************************************	192 acres by flooding	905	niparian	-	1	About 1900	Gravity; earth dam with 1.6 miles of earth ditch.	Por ier owners: 5. Scott, C. S. Hainond.
(5 1 1 1 40)	٥، د ۲ کې د	T OCH WAY	irrif.	1: acres by flooding 25 head	336	Wierlan	1	1	1958	wravity; earth das with 0.4 mile of earth ditch to small preservoir.	Portor threet John Bussi.

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 Por additional information see Appendix D,
 "betalion incorporations of Cert-in Surface
 Water Diversions
 Information not available
 Por lattered fratnotus, see last page of table

TABLE 5(Continued)
DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

a en			Water use in 1958		App	Apparent water right	right	Indicated date of		
	Source	Purpose	Extent and method of use	Amaunt diverted in acre-feet	Type	Amount	Reference	oppra- priation ar first use	Description of diversion system	Renorks
				WEED	SUBUNIT	SUBUNIT (Continued)	=			
7	14. i.	· • • • • • • • • • • • • • • • • • • •	Tung	16 5 C	hdjud.	<u>*</u>	(44)	1856	(**)	Previously irrigated an additional 201 acree. Amount diversed supplemented by LLN/S+65D. (Parks Grees. abbull), and LZN/S+61D. (Parks Grees. abbull), and LZN/S+1031 (Grenala Subunit). Combined apply supplemented LZN/S+2Pl, -3Hl, L3N/S+-3HR (all in Grenada Subunit) and LLN/S+-1PF2 (Weed Subunit))**
ŝ	Shasta daver	* * * * * * * * * * * * * * * * * * *	23 acres by flooding	290	Adjud.	2.70 cfs	7.4m. 36 m	5627	Gravity; J.b mile of earth ditch,	Forser owner: J. I., Dobkins. Area arrivated received supplemental supply from AUN(54-22LL formate Lake Hydro ramic Unit).
· š	South .urk coles Greek	Stock.	27 acres by flooding	593	Adjud.	J. 30 cfs	For. 3738	1874	Gravity; rock and timber dam with 0.2 mile of earth ditch.	Former owners Georgeana Sullivan. Area irriguted received supplemental supply from 41N/5=12CL.
ñ	onein · tributary t · Boles Greek	Munic.	ĥ.	Not meas.	(P)	1	1	1905	Nump; 200 fert of 6-lach pape.	Popper samer: Thomas Sullivan, ourves a cortion of the City of Ared.
	Lorth Fork doles Oresk	lrrig. Stock.	(6)	361	Adjud.	U.35 cfs	Par. 377	1875	Jravity; earth and rock dum With J.3 mile of earth ditch.	Finer owner: weogeans Sullivan- wmount diverted supplemented $41N/54-11A1$.
Ing i'ry aline	North Fork Joles Greek	Irrig. Stock.	4 acres by flooding?	296	Adjud.	U.15 cfs	Par. 3768	1874	Gravity; earth and rock dam with 0.6 mike of earth ditch.	rorner wher: weargamma Jullyun, Perkin of amount diversed aupplemented LUN(%-12D1 for use reported thereunder.
inez fry Mellaw	res Prk Holes Oresk	Irrig.	15 acres by flooding*	291	Adjua.	U,25 cfs	Par. 378 ⁶	1875	Uravity; earth and rock dam With a short earth ditch.	Pormer owners deorgeanna cullivan. Amount diverted supplemented by LlM/5#-1202.
	CTTT	Irrig.	106 acres by flooding 30 head	362	Adjud.	1.05 cfs 1.25 cfs	Par. 323 ⁸	1967	Gravity; earth and rock dame with 2.5 miles of earth ditch and 0.4 mile of natural channel.	Former owner: J. h. bobwins.
Inter thonal daper S	South rik moles Great	Indust.	Lumber mill	Not meas.	Adjud.	sJo 00*4	Par. 227	1868	uravity; concrete dum with 2,2 miles of earth ditch.	torner owners: weed Lumber Company, Long bell Lumber Company,
Sincz 'ry'eline	Sullivan o manillus	Kinže.	(%)	Not meas.	Adjud.	0. 14 cf3	Par, 375t	1879	bravity; concrete lox with 0.3 mile of 6-inch pipe.	Former Swners: A. K. Martin, Clara & Kellogs, Frank A. Kellogs, Marir M. Kartin. serves a jortion of the City of weed.

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-68-

Diversion				Water use in 1958		App	Apporant woter right	right	Indicated date of		
Dond Ond Plote 2	Diversión náme and/or owner	Saurca	Purpose	Extent and method of use	Amount divarted in ocre-fast	Type	Amount	Rafarance	oppro- prighton or first use	Description of diversion system	Remorks
					WEED S	UBUNIT	SUBUNIT (Continued)				
11 D B & M 41N/5W-14QL (Sheet 15)	Prunk A. Ne Long in pyr Ladewig	South Pork bolms Urwek	er Der La La bed	(*)	None	Adjud.	0.40 cfg	Par. 1856	ekbi.	invitty; concrete headpute in boles trenk f res a sum. 1.7 al. lon; Distribution f the water is secon; lished alth ? unps and J.6 mile of earth ditch.	Formur Osmura: to and b. Montory; charter, therin, Prev, oasty tref, thed LD agres, area mrt other form by received buy tenembal buypty for a
"IN, "#-16D1 (Sheat 15)	Delight Harmond	Shasta alver	*3544T	il acres by flooding	5	Adjud.	0.63 cfeh	Pur. 84	1853	GRAVILY; Garth, and rock dish with Jat mile of marth ditch.	Firmer whers: Davideon, r. Bobkins.
41N/54-16E1 (Short 15)	Decide Rumonst	bddy Greek	Irrig.	(2)	None	Ad jud.	0.25 cfa	rar. 27t	Fror 1874	irivity; ruth dam with 0.2 mile of rarth disch.	Forner where; J. Durney, C. S. Hummond, Previously suigitemented old//94-21bt.
4 %/5W-16-1 (Sheet 15)	Deput Busions	Shusta diver	Irrig.	18 acres by flooding	644	.bujud.	0.35 cfeh :	Par. 82	1895	with; earth and rock dom with ".6 mile of earth ditch.	rormer owners: Davidson, J. i., Dobkins.
41%/5#-17F1 (Sheet 15)	Gertrude Crechriou	Eddy Greek	Irrij. Stock.	39 acres by flooding 30 head	371	Adjud.	1.55 cfa	Pur. 78 ²	1879	sravity; the dun with 0.6 mile of earth dices.	toricr sentres: coxunia tese, C arrace bavidson,
413/5W-17F2 (Sheet 15)	Dailthe and Stuare	addy Greek	In Fig.	382 acres by Mooding	1,760	.bdfud.	".91 cfs" 1.30 cfs" 0.20 cfs"	rnr. 26° Par. 63'	1850	Univity; toy dum with 2,2 miles of earth ditch.	Former survers: 5, Sectt, C. 5, farm and Area irrigized received supplemental supply from alX/A+91 and alX/54-681. A) of a summary 1 to accomment
(Shert 15)	bilon furpor	uddy Greek	Dommatic Jtock. Power	(a) 1.2 kw	070*1	A prop.	1.53 cf8	Appl.17284	1956	Gravity, marth and rock dam with 0,2 mile of earth ditch and a short 12-inch pl o.	
4.8/54-21All (ahent 15)	Aurphy	shasta . Iver	Irrig.	103 agree by flooding 150 brad	658	Adjud.	1.40 cf8	Par. 77	1881	iravity; earth and rock dom with 0.9 mile of earth ditch.	bonar amerst lana . azini, Ira bow.
418 '4-2 A. (Short 15)	Dwt the He mond	ohasta alver	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 acres by flooding.	510	Ad Sud.	0.25 cfs	Par. 81P	0061	Jravity: warth and rock dum With 0,3 mile of earth ditch.	Ponur sumera: wav.ds m, d. , Babin., A unit distribution of distribution of a contract of the
41N/54-21C1 (Sheet 15)	Dat ht Hamond	Dalir Creek	IPFLO	(e)	897	Adjud.	1.92 cfs	18r. 258	1855	with U.3 mle of earth ditch.	Former community, C. S. H. F. ni. M. unt. Hiv rived supplemented will "And lift.
41N/58-2111 (Shert 15)	Ded he lias red	Date Greek	**************************************	135 acres by flooding	1,44,0 Ad,5ud.	Ad,jud.	2,65 cfs Par. 248	Par. 24	1864	oravity; earth and rook dam with 1,4 rd es of earth litterms.	Former own ras. 4. Warney, G. 9. H. mond. Area irrivati received maple intal in this from 4.11/54-21G1, 4.11/44-took also supp i ented this diversion antial 1955.

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TABLE 5 (Continued)
DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion				Worler use in 1958		App	Apporent water right	right	Indicoted		
Locotion ond Plots 2 shest number	Olvsrsion nome ond/or owner	Source	Purpose	Extent and method of use	Amount diverted in ocre-feet	Туре	Amount	Reference	appra- priation ar first use	Oescription of diversion system	Remorks
					WEEO		SUBUNIT (Confinued)	(pe			
4 D B & M 42 /54-21N1 Cheer 12)	Errest and Gosina Studa	Jackson Creek	IFFLE.	u7 acres by flooding⇒ 38 head	1,159	Adjud.	0.30 cfsh	Par. 361	1865	Gravity; earth and rock dam 2 feet him, 30 feet long with 0.5 sale of earth dich.	former namer: exuel Dennis, Ammint diverted supplemented by L2K/54-28Dl and -29AL.
(Shret 12)	Samuel C. Jackson	Jackson Creek	Irriy.	60 acres by flooding LOO head	236	Riparian	†	1	rior 1958	Gravity; earth dan with 0.6 miles of warth dites.	
4.39/56-221 (Sheet 12)	Saruel C. Jackson	Carrick Creek	Irrir. Stock.	59 acres by flooding 180 head	367	Adjud.	0.59 cfe	Par. 178	1855	Gravity; board dam with 0.3 mile of earth ditch.	trigated, octed in Dainnell arrigated, octed in Dainnell arrigated, mentally received surplemental surply from (20/5%-201) (wannell arrivelr abbantl).
424/c4-22P1 (Sheel 12)	Samuel C. Jackson	Spring tributary to Irriv. Jackson Creek Domesto	Juri. Stock. Domestic	10 head (a)	*09	Adjud.	0.07 cfsh	Par. 1728 Par. 1738	1857	Gravity; earth dan with a short earth ditch and a 2-unch pipe to a storage tank.	rurner owner: S. H. w.ekson. woount diverted irrighted a ucres jointly with 42H/54-22Al.
(Shrrt 2)	Samur. C. Jackson	Carrick Greek	Irrig. Stock.	70 acres by flooding	71.5	Adjud.	0.60 cfs	Par. 177 ⁸	1856	Gravity; carth dam with 1.3 miles of earth ditch.	for an owner: S. H. Jackson, amount diverted interest an additional 40 acres jointly with 42h/5m-22il.
(Sheet 12)	A, a. Hoy	Carrick Creek	**************************************	ly acres by flooding	777	Ad jud.	0.25 cf9	Par. 1708.	1865	Gravity; curth and ruch dum with 0.3 mile of earth ditch.	Pormer owner: 6. I. doy. seported water right woments may be diverted all is in part by this diversion, (2%/5=-26H), or u2%/5=-26H).
(Sheet 2)	H. L. and Louism C. Vidrickson	Spr n · tributary to Carrick Creek	o Irrig.	(*)	*0£	(a)	1	1	1957	uravity; J.1 mile if Furth ditch.	Amount diverted left ted 49 acres jointly with 424/5m-35 I and 424/5m-35dl.
421/50-7582 (Short 12)	1. L. and Louise C. Adrickson	3pring tributary to Larrack Greek		(2)	10	Adjud.	0,12 ofs	Par. 366F.	1857	Gravity; surth dam with 0.9 mile of earth ditch.	r micr owners: Hessi , F. , Stine, whosing diverted supplimented is 2N/ mi-/51.
425/56-25/1	Mixe Belguatro H. L. and Louise C. Vidrickson	Carler Greek	Irrig.	3 1	187	Adjud.	o o o o	Par. 3708	1857	uravity; earth and rock dam with 3,2 mile of earth diter.	.orer cantr: r. L. Stone, acout. diverti supplemented 42/54-25A1 for use reported thereunder, u. orlted witer fifth theout. ay he diverted all of in our to this diversion or well/50-5601.
421/54-25P2 (Shoot 12)	A. B. Hoy H. L. and Louise C. Vidrickson	Stone Creek	Irrig. Stock.	46 ucres by flo. ding	75%	Adjud.	0.40 off	Par. 357 ⁸ 67 ⁸	1857	wayity; resth den with 3.5 mile of warth ditch.	For Fr Owners: Mess., . T. Hoy, F. n. St nr. Area irrition referlyed su, Jenent u.ply fr23/54-25%.
424/54-2681 (Sheet 12)	А. В. Ноу	Carrock Creek	17 8 3 19,0	6 acres by Hooding	116	/d.jud.	n n	(*)	1465	arouty; timber is with J. i.e. f each ditch.	amount apperted trib ted in additional 24 ocras joint platth and 50-284. For water risk andalls sea (#1/50-5/4.

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• For additional information see Appendix D,
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Diversion				Water use in 1958		Apı	Apparent water right	right	Indicated		
Locotion and Plate 2 sheet number	Diversion name and/ar awner	Source	Purposa	Extent and method of use	Amount diverted in ocre-feet	Турв	Amount	Rafaranca	priotion or first use	Description of diversion system	Remorke
					WEEO		SUBUNIT (Continued)	(pan			
N P R G F											
42N/54-25F1 (Sheet 12)	A. B. Hoy	toy Creek	Irrig. Stock.	ULA acres hy flooding 50 head	158	.bujbA	0.40 crsh	Par. 2678 Par. 168 ⁵	1875	iravity; earth dam with 0.2 mile of rarth ditch.	
428/50-26H1 (Sheet 12)	A. B. Moy	Carlck Creek	* * * * * * * * * * * * * * * * * * *	ll6 acree by flooding	612	Adjud.	0.15 cfg 0.15 cfg (*)	Par. 2656 Par. 1696 (*)	1865	Gravity; earth and rock dam with 1.5 miles of earth ditch.	Area irrigated received aupplemental supply from 2 wells, Amount diverted includes supplemental surply from a spring, Amount diverted irrigated an additional 42 acres jointly with 41M/342681. For additional 4 wier right details see 421/54-2591.
(Sheet 12)	H. L. and Louise C. Vidrickson	opring tributary to Carrick Greek	Irrig.	(*)	None	Adjud.	0.023 cfs	Par, 368	1857	Gravity; earth dam with 120 feet of 4-inch pipe and 200 feet of earth ditch.	former owners: Heasing, F. b. Stone, Previously introded yeares jointly with 428/54-2581 and 428/54-2581.
424/54-27DI (Sheet 12)	Saguel C. Jackson	String tribut. ry to Jackson Creek	Irri.	65 acres by flooding*	160	Adjud.	0.15 cfs	Par. 175 ⁸	1870	Gravity; earth dam with O mile of earth ditch.	Furner owner: 5, H, Jackson, Amount diverted aupplemented by L21/5#-2702 and -28R1.
1754-27Dz (sheat 12)	Samuel C. Jackson	Siring tributary to Jackson Creek	Irriy. Stock.	(*) 20 herd	077	.bujud.	0.15 cfs	Par. 1748	1857	ravity; earth dom with 400 feet of warth ditch.	turner owner: 5. H. Juckson. Amount diverted aupplemented LZN/5W-27Dl for use reported thereunder.
(Sheet ')	Ern. st. and ibosina spada lawrence E. and "yrtle r. Sullkvan	Jackson Creek	Irrıß.	37 acres by flooding	90	Adjud.	0.25 cfs	Par. 391 ⁸	1858	Gravity; earth and rock dam 1.5 Feet hish and 10 feet long with 0.2 mile of earth ditch.	rormer umress Martha Lewis, inry A. wholvy. Area irrigated received surplemental surply from 424/54-28D1.
4.2N/54-2AD.	inda dosína	Jackson Creek	Irriy. Stock.	(%) proud O'7	34.5#	Adjud.	1.30 of a	Pur. 3608	1865	Grautig; timber dam with 0.5 mile of earth ditch.	Forum: owners: Wholey, bullivan, John Lemos, Amela Lemos, Amela Lemos, Amela Lemos, amount diverted supplemented LZN/54-21M1 and -28C1 for use reported thereunder.
4.2N 54-28E1 (Sheet 12)	Fruit Alexander	Shate Miver	Stock.	31 acres by flooding. 50 head	775	Approp.	7 25	Appl.3952	18P4	Gravity; concrete dum with 1.5 miles of earth disch to o regulatory reservoir.	Former owner: Samuel Alexander.
350 C - 3	Cowrence s. and yrtle f.	Jean than Greek	Stock.	36 acres by flaoding 100 head	472	Adjud.	0.58 cfs	Par. 390g	1890	Gravity; earth and rock dom with 0.2 mile of earth dilch.	Former owners: Martha Lewis, hary A. whoiey.
(Short 2)	u unl l. Grakaon	Spr tribut my	Irrig.*	(8)	None	Ad,jud.	0.35 cfs	Par. 1768	1.864	Jravity; Faith dim with 3.4 mile of curth ditch.	roomer owner: 5. H. tackson. lrrl- pited 59 acres jointly with 4.24/54-2841 until 1958.

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TABLE 5 (Continued)
DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion				Wafer use in 1958		App	Apparent water right		Indicated date of		
Location ond Plate 2 sheet number	Diversion noms and/or owns/	Source	Purpose	Extent and method of use	Amount diverted in ocre-feet	Туре	Amount Ref	Reference	oppro- priotion or first use	Description of diversion system	Ramarks
					WEED		SUBUNIT (Continued)				
· • ·		valah Crook	, 0 , cold , gold , gold , cold , col	20 acres by floating	273	Adjud.	Ago cla Par.	Par. 49 ⁶	9'111	aravity; earth and tim er dom with , mile of rath ditch.	Por er owner: 4, 5, Cavanauth.
5,40. 76. No. C. (4.)	yether	And the first	Stork.	Streems by f coding (O) head	\$	Adjud.	7.62 of 5 Pur.	Par 1918	354	unuvily; warth and muck dam with? mile of warth ditch	From mores Norths amis, sholey, 5, 4, code on 2, 20 efter by the discorted all on in such 19 this discorted on on well/58-224.
15, E pm.		J.AAT),	· · · · · · · · · · · · · · · · · · ·	49 acres by flooding*	# L. 47 1	Adjud.),80 cfs Hr.	125 P.	1956	Gravity; earth and timbur dum with 300 feet of earth ditch.	Former owner: 4, b. Gavanuch, Amount diverted supplemented by L2N/5%-33Kl.
10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	arckson . H c	H+++4. 1 4+ 1841	Irr y.	21 acres by flooding*	M S	hd us.	.75 cfs lar.	lar. 2M.	1 31	imavity; timber dam with 0.1 cile of ramin disch.	former supplemented by \$2N/5M-20ml.
16 1, Note to Short (1)	0 C F K C F	(reauthan Greek	Irri Stock.	00) hrad	1,421	. Ad jud	2,62 cm 5,40 cfg Pr. 3128 . 5 cfs Pur. 2138	1716 2128 2138	1881	oravity; earth and timber dam with 1.1 mires of earth ditch.	torner owner: Alice V. Appel, Area Liriated includes 59 acres in Frally irriated jointly with Liviée2.dl. Amount alverted supplemented LEMNE-2701 and -2501 for and attornal uses reported theremais. 2.62 affer may be diverted all or in pert by the diversion or LEMNE-28X2.
60 - 60- 1 A.	ran t nd doubta	Chasta Kivrr	- * * * * * * * * * * * * * * * * * * *	2, ueres by Clooding 20 hed	469	Ad.jud.	1,55 cfs Par. 3597	3596	1865	aravity; earth and rock dam with l. mile of earth ditch.	Former corners: Earl Gennis, Ameri Dennis. Account liverter supplemented LRM/SA-21M1 for additional use reported thereunder.
4, n = 361	A. d. nd Aims Bea.	Sh. ata Mivor	end See See See	39 acres by floding	1,210	(9)	į	1	Prior 1758	Grevity; earth and gravel don with J.5 mile of rarth ditch.	borner owners: Gavanau,h, duckry, Peter Hoplan,
2 : 54- C2	Errist F. und Dorithy Y. Solue	ir tut my t. Shista Irrite.	a Irrig. Stock.	30 scres by flooding*	1114	Adjud.),25 cfs Par,	. 60	1185	Gravity; earth and timber dam with a short earth ditch.	former waters worms L. thane, impunt diverted supplemented by \$12.54-311.
424/5m-112)	Hirry in os A and Alma Bral Liverna u. Rucker Thest E. nd Oprithy M. Solus	(a) (b)	en de la companya de	75 acres by floating*	2,519* Adjud.		0.60 cfg Par. 1.00 cfg Par. 1.00 cfg Par.	Par. 445 Par. 565 Par. 618	1865	Grivity, timbor dam with 1.5 milts of warth ditch.	tor mr whers: wears L. Chase, and the L. benker, it. ". wandauth, wondown ifyeld emphasmented laN/S+-28P. for use reported thereunder. 0.00 of a January 1 to becomiter 11.
/54-33K2 (3hevt 12)	Harry London	Manual C	Irrig. Stock.	27 acres by flooding 30 head	434	.hdjud.	l.lo cfsh par.	Par. 57	1265	Gravity, timber dam with 0.3 mile of earth ditch.	timer wher: juste L. Hebbee.

• See remarks
• Por additional information ero Appendix D,
• Por additional information of Certain Surface
• Water Dynamics
• Information not available
• Por lattered footnotes, ere last page of table

-72-

TABLE 5(Continued)
DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Oberitor Odd arry Le nod berothy H. Silur Alke Helcustre Jor welcostre		Water use in 1958		Apporent water right	roter right	Indicated date of		
arry Le nos berett L. and berett H. Saur Min Saur Mike Holestre The Helcistre The Helcistre The Helcistre The Marie Corose Grooks Grooks Grooks Ann H. Linville	Purpose	Extent and method	Amount diverted In	Type Amount	nt Reference	oppro- priotion or first use	Description of diversion system	Remorks
arry Le nos here t. E. and benethy N. 3 iu: of the it castre Jor "eleastre Jor								
arry Le nod Lengthy 11, 3 / ur All land 4, 5, 14e Nike He lengthe Jon "eleastre Greit Carrick Grooks Fer Lurrick Cody over Zwangierr John H. Linville			WEED S	SUBUNIT (Continued)	ntinued)			
Mike Helcastre Joe "elcastre "ike helcastre "ike helcastre "ike helcastre "ike helcastre "ike helcastre "over Zwangier "ohn H. Linville	Aver Jeack.	ores by :! ding	- 77 * NAL	Adjud N. cPa 1.25 cFa 1.1 cFa 2.5 cFa 2.25 cFa	Crah Crah Crah Crah Crah Crah Crah	1875	uhivy typ voich it was bath .? maic of comba latera.	For or same is a comparable, a covern of the control of same of the control of same of the control of the contr
Mike He custre Joe "elcostre Like telcostre Like telcostre Greit Carrick Grooks Mer Carrick Cody Go er Zwanzieer John H. Linville	Plant lrei.	22 acres by flooding	Not meas.	(q)	; ;	At out. 1920	Gravity: .7 mile of earth	
Joe "elcastro" "The Telcastro Greit Carrick Crooks Fur Currick Cody Gover Zwansiere John H. Linville	ritutary to Irrif. Stock Stock.	170 neres by flooding 200 head	***	Adjud. 1.66 cfsh	cfs Par. 371e	1857	dewity; warth dam with 1.6 mile of earth ditch.	Pormer owners: F. S. Schme, Kenneth Schmer, Terviously irrelated and itt. t.m. 'stres, orthon of area irrelated receivers unphresential supplemented (2007)—2011 for additional use reported thereunder.
Jon "witcostro" Great Carriet Crooks Fur Curriet Cody Cover Zwansiver Over Zwansiver	Spring to little. Carlor Greak Domestic Stock.	acres by flooding in 200 head	10 Vd.	Adjud. J.325 efs	. r. 37.5	C161	Gravity; concrete for wit), (nite of 1-inch pipt.	turner compute: "
George Carried Cody Cover Zwansiver	Trig.	42 acres by flooding	Not mes. Ad.	Adjud. 0.55 cl's 1	crs ^h Par. 13 ⁸	1883	arwity; earth dam with 1.6	Figure outper: Forrestor.
Greiter Gretick Crooks Hur Lirrick Cody to rer Zwanzierr	Creek Irrig. Stock.	34, acres by flooding 290 head	372 Art	Arijud. (*)	ŧ.	1857	Granty; earth dar with landing of worth ditch.	r rerr competed A Stene, kenneth St. ne. "revocally trenjoined on additional th acres. For water right details one 42%/55-251.
Gover Zwanziwer	Cresk Irrig. Stock.	315 acres by flooding 300 head	,346	Adjud. 7.20 cfsh	crs) crsj crsj	1853	makes of each dich.	
John M. Linville	Creek lrnke. Stock,	241 acres by flooding 250 head	1,547 Ad.	Adjud. 2.20 cfp ³ 0.25 cfp ³ 14 af ³ 0.314 efg ³ 1.235 cfg ³	ofsh Par 1". ofsh Par 1". ofsh Par 2".	1854	Jravity; earth and r -k dan with 2.3 miles of earth ditch.	Pormore where; Abhare Ward, Shbin L. A. Bee.
John T. Linville	Irrig. Stock.	7 acres by flooding 15 head	11 Ad.	Ad_ud	.45 cis Par. 2915	1890	Gravity; earth and los dam with 3.2 mile fruth ditch.	Furner energy atchards in, write the Clyde energy, where the amount lay to diverted at r in part ty this divers $r = r + M/(3 + 3) dx$.
(3hrat 2)	Creek Irriv.	7 Acres by flood ng	72 Ad.	Adjud. (*)	·	189.1	arayity; waith and log Ram with .2 mile of earth ditch.	Fige amounts alchardaon, Arbaulh, Clyde arris, i'r w ter raph felalin see ally'n'e til.

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Diversion				Woter use in 1958		Api	Apparent water right	right	Indicated dots of		
Location and Plats 2 thest number	Diversion nome ond/or owner	Source	Purpose	Extent and method	Amount diverted in acre-fest	Туре	Amount	Reference	appro- printion or first use	Description of diversion system	Remarks
					***************************************	WILLOW CREEK		SUBUNIT			
HA L TO			-		1		0	300	900		7
(Sheet 11)	Johns Danron	Creek	Irrig.	3< acres by 1100din7	Not me s.	vajua.	. 30 CI s	rer. 400	1898	ditch.	rother owner; darney to coy, J. cis
(Short 1)	Huward Dannon	Long Gulch	Irrie. Stock.	55 acres by flooding 50 head	Not meas.	Adjud.	0.50 cfsh	Par. 1578	Prior 1880	Gravity; earth dam 6 feet high, 200 feet long with 2 earth ditches totalin 1, mile in length.	Forser Namers: 5. Harris, Van Horn, Chumberlain, John on, kichardson.
424/64-1711 Unnet 11)	Howard Damron	Millow Greek	Irriv.	\$5 acres by flooding	Not meas.	Ad tud.	1.50 cfsh 0.25 cfs	rar, 156 ^g	1855	iravity; earth dam 3 feet hich, 15 feet long with 0,2 mile of earth ditch.	Chambertain, Johnson, Aichardson.
(Sheet 11)	Howard Dannin	Millow Greek	FI Little	37 acres by flooding	Not meas.	*	1	1	Prior	Gravity; 2 mile of earth ditch.	former owners: . b. Maris, Yan Horn, Chapterlain, Johns n, ach reds n. Phis diversion diverts a sortino of the amount entitled to 42%/54-171.
(Sheet :1)	Dan Jhelley	Allow Greek	ti ti te te te	117 acres by flooding and sprinkler*	1,286	Adjud.	11,20 cfsh	Par, 1198	1856	dravity; rock and gravel dam with 3.5 miles of earth ditten and mile of ripe.	Former owners: Louis foulke, Eds no- Foulke Comenny, when Irring ted is located in Jernada Sulunia, amount diversed irrigated on additional 98 acres jointly with ANA/66-161 and 14,3 weres jointly with ANA/66-9-1 (both in Grenada Subunit).
(Sheet 11)	Kathrym Heinsen	Smuaw Croek	Irrig.	7 acres by flooding	252	Ad Sud.	0,36 cfsh	Par. 132 ⁶	1858	Gravity; rock dam with 0.3 mile of earth ditch.	Former owner: Mary Minnerty.
(3heat 1)	Futheyn Poinsen	Willow Creek	Irrie.	14 acres by flooding	75	Adjud.	1.05 cfsh	Par. 126 ²	1858	ravity; timber dam 1 foot high, 8 feet long with 0.2 mile of earth ditch.	tormer owner: Mary Finnerty, erea inripated received supply from 42N/64-9Ki.
124/64-1911 Dreft 11)	Kuthryn Peinsen	South Jreek	Irric.	*	294	Adjud.	0.25 cfs.	Par. 128 ^g	1858	Gravity; 0.3 mits of earth ditch.	Former conner: .asry Finnerty, Amount divorte: su plemented 42%/68~1964.
12%/64-1 #2 (Jhert 11)	kathrym Heinsen	Squaw Greek	Irrag.	l4 acres by flood.ng	229	Adjud.	0,95 cfsh	Par. 1318	1358	Gravity; 0.3 mile of earth ditch.	rormer where in timerby.
(Sheet 11)	>-rtmide Crechriou	Willow Creek	Irrig.	(*)	None	.pn('py	J.25 cfs ^h	Par. 3545	1882	Gravity; rock dum with a short earth datch.	Pormer swher; John Sissel, reviously irripated 20 cere.
(Sheet 11)	Kathryn Heinsen	Smuaw Creek	I P. P. L. P. +	2) acres by flordin.	364	Adjud.	J.J3 cfs ^h	Par, 129 ⁶	Prior 1958	Jravity; 0.2 mile of earth disch.	for or owners: Hailet, Parraher,
(Shret 11)	. A. Paylon	Irititary to Willow Greek	* Control of the state of the s	18 acres by sprinkler	Not mess.	Miparian	1	!	1948	iravity, warth dum 15 feet hist, 100 fert lon' with 3.7 mile of 6-inch pige.	COD NE OWNER: UPPERMINAL.

• See remarks
• Por additional information see Appendix D,
"berlied Descriptions of Certain Surface
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- Information not available
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-74-

TABLE 5 (Continued)
DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

				Water use in 1958		App	Apparent water right	right	indicoted dots of		
Locofion ond Plots 2 shast number	Diversion noms ond/or owner	Source	Purposs	Extent and method of use	Amount diverted in ocre-feet	Туре	Amount	Reference	appro- priation or first uss	Description of diversion system	Remorks
				*	WILLOW CREEK		SUBUNIT (Continued)	ontinued)			
্ৰ											
12 1/74-241U (Shrit 11)	untrude Crechriou	dillow Crrok	III S	7 acres by flooding	121	Adjud.	J.15 cfsh	Par. 352 ^R	1883	writy; rock dan with 0.1 like of earth ditch.	former owner: John Sissel.
471 74-25Cx	Berths A. Ashburn	Birch Gulch	LPELP.	4 acres by Thooding	25	.bu_ud.	O.10 cfsh	Par. 351 ⁸	7821	Jruvity; short marth ditch.	former warers John Stauel.
(Sheet 11)	sertha 4. Ashburn	Wi low Greek	Irrig.	(*)	None	Adjud.	J. 25 cfd	Par. 344	1905	Jenvity; lo; dam with 0.2 mile of earth ditch.	Forser owner: John Sissel, rreviously irrighted 10 acres.
43% 774-181 (Sheet 8)	Monenhall prothers	wys ou ch	Irrig.	12 acres by flooding	Not meas.	(q)	ļ	3 7	About 1860	bravity; earth dam with 3.2 mile of earth ditch.	rorder owner: b. Lovelade.
43M/7W-1J1 (Shret 8)	Menenhall brot ers	Auys walch	irri.	17 acres by flooding*	*5	ili pari an	1	}	About 1860	uravity; rock and earth dam with 0.5 mile of earth ditch.	Porner Sener: E. Loveluce, Portion of amount diverted supplemented LJW/PW-LM for edditional use
(Short 3)	Mememball brothers	fributary to Gays Galch	B NC ord So Es	16 ecres by flooding	11,8	(q)	1	1	About 1860	bravity; earth and rock dam with 0,1 mile of earth ditch.	Popping distributed Amount discreted supplemented by L3N/7#-111.
				**************************************	YREKA	A CREEK	SUBUNIT				
(Sheet 5)	Shastalite Block Company	Walter's Gulch	Indust. Domestic	Concrete mixing (a)	10	(9)	*	Î	1953	Numb; 3/4-hp motor with a short 1-inch pipe to a 3,000 gallon storage tank.	Former owner: Zylatra.
(Shret 5)	Laura Cawley	Yroka Grark	Inches Inches	53 acres by flooding	Not meus Riparian	Riparian	4 4	1	Prior 1958	Pump on sump with short pipe-	Former owners: Schock, Castello, Amount diverted irrigated an additional 43 acres Jointly with 44K/7M-8Al.
(Sheet 5)	Fred Wurton	Lime Gulch	T 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	il acres by flooding	Not meas.	.bulba	0.20 cfs	Par. 4315	1913	Gravity; 3.5 mile of earth ditch.	Former owner: r. C. burton.
(3hort ")	rred M. turbon	bine witch	irriga	28 scree by flooding	Not meas.	Adjud.	0.70 cfs	Par. 4295	1900	wravity; short march ditch.	tonact wher: F. C. burton, Amount diverted supplemented by LLM/74-501.
104M/ W-5114 (3hmet 5)	rred d. urton	Lime Gulch	Irrig.*	(%)	None	Adjud.	0.95 cfs	Par. 1328	1870	Gravity; 0.5 mile of earth ditch.	Pormer unner: F. C. Burton, Previously irrigated an estimated 50 acres.
(3hout 5)	Fred m. ust ti	(reka Greek	En En	26 acrea by flooding	Not mess. Adjud.	Adjud.	0.15 cfs	Par. 4228	1855	Gravity; O.4 mile of earth ditch.	diversi supplemented by the factor of the transfer of the tran

[•] See romarks
• Por additional information see Appendix D,
• Por additional information see Factoring Surface
• Water Diversions*
• Information net available
• For lettered footnotes, see last page of table

TABLE 5 (Continued)
DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

			Woter use in 1958		Δρς	Apporent water right	right	Indicoted dote of		
Oversion nome ond/or owner	Source	Purpos	Extent and method of use	Amount diverted in ocre-fest	Туре	Amount	Reference	appro- priotion or first use	Obscription of diversion system	Remorks
				YREKA CR	CREEK SU	SUBUNIT (Continued)	ntinued)			
tred W. Litt n	Yreka Creek	Irrat.	42 scres ly : Looding	Not meas.	Adjud.	J.75 cfsh	Pur. 421 ¹⁵	1851	inswity; mile of earth ditch,	FORDITE DWDFF; F. C. UDFL D.
E ALTO HE POLICE	Yreka Greek	Day and Sa Sa Sa And	9 acres by flooding*	Not meas.	fdjud.	J.20 cfsh	Par	1912	oravity; J.4 mile of earth ditch.	tormer wher: E. C. Burton, Fortion of amount diverted irrighted in additional is acres jointly with 4411/70-481.
ired Mires	Yreka Ureek	55, 174 60 51	19 acres by flooding *	Not meas.	Adjud.	1.10 cfs	Par. 4298	1884	oravity; 1.3 miles of curth ditch.	Former owner: F. C. Burt n. Partion of amount diverted supplemented LLN/74-5q1 for additional use
Fred W. Bart n	Yreka vreek	17.1	11 acres by flooding	Not meas.	.ndjud.	Jaks clah	Par.	1858	Gravity; 0.3 mile of earth ditch.	reported thereunder.
and the second s	Yreka Jreen	**************************************	77 acres by flooding	Not meas.	ndjud.	J. 25 offs	Par	1858	Wravity; U.7 ile of earth ditch.	Former owner: P. C. nurthh, krea irri aled received supplemental supply from .43/74-363.
a part	uenaan kulch		(M)	Not me is.	ndjua.	July ofa	Par. 425	1858	uravily; short earth ditch.	former swater to 6. surbon, whouse diverted supplemented 4411/7n-4n2.
C part of the	Yreka Creek	er de de	8 acres by floodin;	Not meas.	Adjud.	J.l5 cfs	Par.	1911	Gravity; 3.2 male of earth datch.	Former F. C. Jurton.
red w. arton	Yreka Greek		(n)	Not meas.	Adjud.	J.45 cfa	P.C.	1881	Gravity; O.1 mile of earth ditch.	For ar ware: F. C. Burton, Amount alverted supplemented Lib/74-731 for use reported thereunder.
C 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	datas neens.		? acres by ilooding	Not ness.	ئمزۇسۇ.	J,J3 cfsh	S.	1910	Gravity; D. 4 mile of earth ditch.	Former Samer: F. C. curton. Portion of amount diverse supplemented LMA/TA-731 for additional use reported thereunder.
rest of a uncon	Cane in wite.	6 1 1 E	3 acres by flooding	erau 10.	odjud.	U.375 effs ^h	Par. 427	1910	Gravity; short earth ditch.	FORBIT CWANT: F. C. Burton.
ing the torn desires	na malter's Guzch	Stock.	27 acres by flooding 50 head	105	ndjuu.	.70 efa J.25 císj	1	.h10r 1895	Drivity; rock and Pr. Vel dum with 6 mile of earth ditch.	former canwrs: Eggley, John Walter, George Willer, Previously Irrivated an add tional 5 acres.
n Flock	Walter's sulch	urrig.	5 acres by flooding 10 head	61	ndjud.	1.0 cfa	. ist. 1001 P	186U	wravity; board and metal dam with), 2 mile of earth ditch.	Funner owners: 14, b. and Boyd M. Pruett.
الماسية الماسي	na terla sulch	brock.	25 acres by flooding	891	Adjud.	U.45 cfs	rar. 5w8	84.	Gravity; rock and earth dam with 3.2 film f earth ditch.	romannes dobm malter, coorgo
5 (1) E	Printt Julch	Trill.	P6 .cres y sprinkler	111	2	1	-	Ahou t 1868	Unavity, stor, e; curth dam 20 fret high, 750 feet ang with 1,7 mile of natural channel to a portable pump.	FORMER OWNERS: Ur. G. ams.

[•] See relative • Por additional information see Appendix D, "Detailed Descriptions of Cert-in Surface "Actor Diversions" Information not assignable — Information not assignable

Designation Continued Co	Diversion				Woter use in 1958		App	Apporent water right	right	Indicated date of		
	Locotion ond Plots 2 shart numbar	20	Source	Purpose	Extent and method of use	Amount diverted in ocre-feet	Туре	Amount	Reference	oppro priotion or first usa	Description of diversion system	Remarks
January Janu						YREKA CF		BUNIT (Co.	ntinued)			
Hormond L. Jarurd Long Faith Living Livi	6511/74-312 (Sheet 2)	Joersh A. Lemos	rocky suten	intig.	4.) head			2. W cfsj J.55 cfsj J.25 cfsj	Par. 452.	About 1:344	oravity; earth cot rock dum sith of the of earth dren to a mm . stor o reservoir.	
Service Lange South Fork Humbug Irrig. 22 acres by flooding 31 adjud. 0.35 cfs rate. 497 1890 Gerid Lange Worth Fork Humbug Irrig. 22 acres by flooding Not mess. Adjud. 0.35 cfs rate. 497 1876 Gerid Lange Lange South Fork Humbug Irrig. 22 acres by flooding Not mess. Adjud. 0.35 cfs rate. 497 1890 Gerid Lange Lange South Fork Humbug Irrig. 22 acres by flooding Not mess. Adjud. 0.35 cfs rate. 496 1899 Gerid Lange South Fork Humbug Irrig. 22 acres by flooding Not mess. Adjud. 0.35 cfs rate. 496 1899 Gerid Lange South Fork Humbug Irrig. 22 acres by flooding Not mess. Adjud. (e) Par. 496 1899 Gerid Lange South Fork Humbug Irrig. 22 acres by flooding Not mess. Adjud. (e) Par. 496 1899 Gerid Lange South Fork Humbug Irrig. 22 acres by flooding Not mess. Adjud. (e) Par. 496 1899 Gerid Lange South Fork Humbug Irrig. (e) Rotting Residual Dio Cofs Fork. 495 1899 Gerid Lange South Fork Humbug Irrig. (e) Rotting Residual Dio Cofs Fork. 495 1899	58/74-931 (chrit ?)	Norm nd L. Cirard	hong justeh	Brock.	37 acres by flooding	78		J. SU cfah	136 th 336	1.975	Gravity; Parth and rock () ! feet high to feet long with 1.6 mile of earth ditch.	Former owners: Tom Cardoza, R. Stone. Area trigated normally receives eupplemental supply from LSN/Trickl. Previously irrigated an additional 3
Gerald Lan'e North Fork Humburg Irrig. (*) Not meas. Adjud. (*) Sofe of a far, 4996 irrig. (*) North Fork Humburg Irrig. (*) Not meas. Adjud. (*) Sofe of a far, 4996 irrig. ((5heet 2)		1.011 - 0071	Irrig.	(*)	None	(9)	1	1	Atout 1270	FLANTY: FOCK AND FAITH SAME WATH DO FIRE OF FAIRTH HALCH.	FORTH AND TO AND ALL AND THE FORTH A DAY (A-96.)
Gerild Lan's North Fork Humbug Irrig. (*) Nor	45N/7m-1-H1 (Sheet 2)	نْ	com; Gulch	6., 100 60 60	4 acres by floodin.	977	(4)	1		whout 1880	oravity; rocknv concrete dam 3 feet high, 4 feet long with 60 feet of 8-inch pipe and 0.3 mile of earth ditch.	
urrald Lan., North Fork Humbug, Irrig., 25 acres by flooding Not meas, diparian About United Lan. Juleh Lan. South Fork Humbug, Irrig., 22 acres by flooding Not meas, Adjud. D.225 of Plan. 1996 11876 Juleh South Fork Humbug, Irrig., 22 acres by flooding Not meas, Adjud. (a) Par. 1967 11876 Juleh South Fork Humbug, Irrig., (b) Not meas, Adjud. (a) Par. 1967 11896 Juleh South Fork Humbug, Irrig. (b) Not meas, Adjud. (a) Par. 1967 11896 Juleh South Fork Humbug, Irrig. (b) Not meas, Adjud. (c) Par. 1967 11899 Juleh South Fork Humbug, Irrig. (c) Not meas, Adjud. (a) Par. 1967 11899 Juleh South Fork Humbug, Irrig. (c) Not meas, Adjud. (a) Par. 1967 11899 Juleh South Fork Humbug, Irrig. (c) Not meas, Adjud. (a) Par. 1967 11899 Juleh South Fork Humbug, Irrig. (c) Not meas, Adjud. (a) Par. 1967 11899 Juleh South Fork Humbug, Irrig. (c) Not meas, Adjud. (a) Par. 1967 11899 Juleh South Fork Humbug, Irrig. (c) Not meas, Adjud. (a) Par. 1967 11899 Juleh South Fork Humbug, Irrig. (b) Not meas, Adjud. (c) Par. 1968 11899 Juleh South Fork Humbug, Irrig. (c) Not meas, Adjud. (c) Par. 1968 11899 Juleh South Fork Humbug, Irrig. (c) Not meas, Adjud. (c) Par. 1968 11899 Juleh South Fork Humbug, Irrig. (c) Not meas, Adjud. (c) Par. 1968 11899 Juleh South Fork Humbug, Irrig. (c) Not meas, Adjud. (c) Par. 1968 11899 Juleh South Fork Humbug, Irrig. (c) Not meas, Adjud. (c) Par. 1967 11899 Juleh South Fork Humbug, Irrig. (c) Not meas, Adjud. (c) Par. 1968 11899 Juleh South Fork Humbug, Irrig. (c) Not meas, Adjud. (c) Par. 1967 11899 Juleh South Fork Humbug, Irrig. (c) Not meas, Adjud. (c) Par. 1967 11899 Juleh South Fork Humbug, Irrig. (c) Not meas, Adjud. (c) Par. 1967 11899 Juleh South Fork Humbug, Irrig. (c) Not meas, Adjud. (c) Par. 1968 11899 Juleh South Fork Humbug, Irrig. (c) Not meas, Adjud. (c)	45N/74-21F1 (Sheet 2)		North rork Humbur Gulch	drring. Stock.	22 deres by flooding			0.35 cfs	Par. 1646	Prior 1876	Gravity; und*r;round drain to 0.3 mile of earth ditch.	Former owners: relact, Fruit, whell, vield, wholes which as being the active tendence as the property of the active tendence of the activ
urrald tanger Morth Fork Humburg Irriy. 25 acres by flooding Not meas. Adjud. D.225 cfs 13r. 498 crior Grand Langer Gallen Couth Fork Humburg Irriy. 22 acres by flooding Not meas. Adjud. (s) Par. 496 right of 1876 crior of Gallen Canter Studen Stock. (s) Not meas. Adjud. (s) Par. 496 1876 crior of Gallen Canter Studen Canter Cant	(Shert 2)		North Fork Humbug Julch	int &		Not meas.			rar. 497	77 tor 1876	Gravity; earth dam 15 feet hi,h, 200 feet lon; with mile of earth ditch.	Former owner: Antone C. Jalin. Amount diverted supplemented USN/7x-21K1 for use reported thereunder.
South Fork Humbug, Irrig., 5 acres by flooding. 74 Adjud. 0.025 cfs light 1895 crior 500th Fork Humbug. Irrig. 22 acres by flooding Not meas. Adjud. (s) Far. 496 1876 1876 cloth Fork Humbug. Irrig. (s) Not meas. Adjud. (s) Far. 496 1876 1876 cloth 500th. (s) Not meas. Adjud. 0.00 cfs rar. 4998 LM88 dispersan cloth. (c) Not meas. Adjud. 0.00 cfs rar. 4998 LM88 dispersan clother.	458/74-2151 (Shert 2)		North Fork Humbur, Gulch	btock.		Not meas.		1	1	About 1850	Gravity; Farth and gravel dam with 0.1 mile of earth ditch.	Power coners: (wilet, Trutt, shell, Anton C. Valh, Avea trigged received supplemental uply from 45N/74-21d.
South Fork Humius, irrus. 22 acres by flooding kiot meas, Adjud. (s) Par. 496 1876 Lann South Fork Humius, irrus. (s) Not meas. Adjud. 2.0 cfs Far. 495 1889 Loord n.C. James Humius Juris. (s) Not meas. Adjud. 2.0 cfs Far. 495 1888	(Sheet 2)		Jouth Fork Humbug	Irrig.	5 acres by flooding	7/2			Far. 4988	rrior 1895	Gravity; earth lam 35 feet high, 200 feet lon: with J., nile of earth ditch.	rormer owner: Antone C. Valin. 0.325 ofs January 1 to mormber 31.
Jord Lan'r Snuth fork Humbuy Erriv. (*) Not meas kipurian 1850 Leok. Jord n C. James Humbu Juich Errig. (*) Not meas kidjud. J. D cfs rar, 4958 LEAB	(Sheet a)	rerald Lunive	South Pork Humburg Gulch	Trrik. Stock.	22 acres by flooding	Not meas.	Adjud.		Par. 1,96	1876	uravity; rock and timber dam with).1 miles of earth disch.	For owner, schone U. Malin, for water in the treats see "\$57/n=2.b", area intribute received supplements, or by from \$55/2.
Lord n C. James Humbu Juich Irrig. (7) Riot reas. Adjud. J. O offs rar, 495 LM88	(Shret 2)	D . Jan	South rorm Humbug Gulch	Hrri.	(4)			1	1	About 1850	Provity; timber dum with 0.2 mile of earth ditch.	Former owner: Antone C. Valin. Amount diverted supplemented $45k/74-21P2$ for use reported thereunder.
	(sheet 2)		Hurbu - Jaich	Stock.	<u>:</u>			3, 0 cfs	rar. 495	1888	drawity; warth das with a short warth disch.	Former owner: George A. Tebbe. Amount diverted supplemented LSh/74-21X1 for use reported thereunder. 0.10 cfe January 1 to December 31.

[•] See runarks

• For additional information see Appendix D,

"Detailed Descriptions of Certain Surface
Actor Peresions"

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For lettered footnotes, see last page of table

TABLE 5 (Continued) DESCRIPTIONS OF SURFACE WATER OLVERSIONS IN SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion				Woter use in 1958		App	Apporant woter right	right	Indicated of		
Locotion and Plots 2 sheet number	Oiversion nome ond/or owner	Source	Purposs	Extent and method of use	Amount diverted in ocre-fest	Typs	Amount	Referance	oppro- priotion or first uss	Dascription of diversion system	Remorks
					YREKA CREEK		SUBUNIT (Continued)	ontinued)			
SN The Late	City of Yreka	Yreka Creek	unic.	(e) Swieing pool	100	10d 3ud.	# \$J0 00**!	Far. 503 ¹⁷	1903	Pumps 4,3-h motor with 200 feet of 6-fach live from an underground concrete dan 2, feet high and 24,1 feet ling.	Jard as an auxil ary pung for city water sumply, 4.30 efs cannery i to
(5 ere 2)	uity of Yreka	Yreka Creek	unic.	1,380 connections	707	kpprop.	1.68 cfs	Apr 1.16392	1941	Funns; 2-5)-hp notors with U.8 mile of 12-inch pipe.	Purpose relocted received in learntal sup.ly from 45%/7m-49% and 45%/7m-33A.
"Shret 2)	Erick Johnson	Yreks Greek	Irrig.	62 acres by sprinkler	677	Miparian	4	ł	Prior 1923	Nump; 23-hp motor with 0.2 mile of 4-inch nipr.	Former owner; John P. Car : a.
45N/74-27H	A, Yoang	Yreka Greek	Indust.*	(*)	Mone	(9)	* *	*	7061	Pump; 73+hp motor with 3.1 mile of 6-inch pipe.	Former owner: Alorn o, Strele, .re- viously suplined a ravel woshin- plant.
"5% "4-23L.	Lity of Yreka	Urenhorn Greek	Munic.	(*)	Not meds.	odjud.	1,00 cfs	Par. 5016	1869	Gravity; rock dam 21 feet high 200 feet lon; with 2.4 miles of H-inch pipe to a storage reprevate.	Amount diverted supplemented his/fig. dis/fig. 1.00 of January 1 to December 31.
"55 'n 342 (where c)	Jose-thine Brown . A. Lalp Larue Poppe A bort Tebbe	Greenhorn Creek	9	30 acres by flooding	266	266 Adjud.	2.12 cfsh 2.12 cfsh 0.71 cfsh 0.71 cfsh	Par. 4515 Par. 4475 Par. 4926 Par. 4946	About 1855	order. by 3.) miles of earth ditch.	Former Janers: Joe Fhl I; and Ant me Philip and Kiny Fhli I; wonge Teube, Jeorge Souza, annal Lawrence, Henry Lenay.
(Janes)	anuel F. Kose, Jf.	Jerenhorn Creek	Irrir. Stock. Winang	35 acres by flooding 75 head Placer	not meas. A	Adjud.	0.45 cfs 0.25 cfs	Par. 4728	1856	Uruvity; rock and lor dam 4 fert high, lef feet long with 1.3 mile of earth ditch.	
45%/74-2411 (ahe t 2)	10 m m m m m m m m m m m m m m m m m m m	Sym or tratutury to Irrige Greek Nemost	Irrig.	3 seres by Flootiny. (a)	lot meas.	(q)	0	B 0	rior 1958	Gravity; short lanch right to a 7,300 jailon at rate bank with 0.1 male of manch pipe for the tank.	Former owners: 4, 4, Land, c. c. A rlow.
458774- 3 (Sheet 2)	Manuel F. Hone, Jr.	vr-←nhorn trv+k	Irrig. Jomestic Stock. Tibing	14 acres by flooding 75 head	lot meas.	Adjud.		Par. 4703	1855	Gravity: rave and rock dum with .6 mile of earth	
1,54/74-30.0 (5her t. 2)	·	1 k Aulch	irri Nomestic block.	lb acres by floodin; (a)	45	idjud.	1.25 cfs	rar. 455*	C'ELUE Lettor	univity; e.rth dan 60 feet hi h, 175 first long with 0.2 miss of earth ditch.	corner owner: Wille, warsh Nunes.

[•] See Francks
• For additional information see Appendix D,
- "be.lla Descriptions of Certain Surface
Asker Diversions
- Information not available
For lattered footnotes, see last page of table

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DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT TABLE 5 (Continued)

Diversion	emoc constant			Woter use in 1958		Api	Apporent woter right	right	Indicated date of			
ond Plote 2 sheat number	and/ar	Source	Purpose	Extent and method of use	Amount diverted in ocre-feet	Туре	Amount	Reference	oppro- priotion or tirst use	Description of diversion system	Rsmorks	
					YREKA CF	REEK SU	YREKA CREEK SUBUNIT (Continued)	tinued)				
(short .)	, of Traka	Greenhorn Greek	unic. Indust.	Lumber mill	195	Mirop.	195 MillFop. 4.00 cfm Appl.1Alt6 650 af	ppl.lklk6	About 1976	Pump; 15-h motor with '.2 maie of 8-anch pipe.	writion of amount diverted supplemented USN/74-23DL for additional use reported thereunder.	
(3hoet 3)	Tr. , en Hill	Yrok, Uronk	trrif.	23 nores by syntakler 30 head		djud.	bedjud25 cfe Car. 477"	6r. 477 ^E	1865	mile fright.	Former wherst bartty Shirk and itsidered Lote.	
(3800L)	Jun Jan 15 888	Sprinkorn Crask	frrig. Stock.	27 acres by flooding 10 head Mydraulic and placer	2	70 Adjud.	0.10 cfs Par. 466 8	nr. 466	Prior 1905	Uravity; warth and rock dam with 0.4 mile of earth ditch.	Former owners: F. J. Ind i. J. 1010e.	

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В.
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fin.
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V3

Domestic use of less than 5 connections.

Insufficient information to determine type of water right. å

Applications to appropriate water filed with State Water Righte Board as shown in Table C-1, Appendix C. ...

John H. Macon, et al. we Harry M. Bearod, et al., No. 14478, Slekiyou County Superior Court, July 1, 1958. For additional information concerning this case, see Appendix C.

Shasta River Adjudication, No. 7035, Slaidyou County Superior Court, December 30, 1932. For additional information concerning this adjudication, see Appendix C. Smackleford Creek Adjudication, No. 13775, Siektyou County Superior Court, April 3, 1956. For additional information concerning this adjudication, see Appendix C. ÷

...

Reported amount to be diverted between March 1 and Movember 1.

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Reported amount to be diverted between November 1 and March 1.

Reported amount to be diverted between April 1 and October 1.

Reported amount to be diverted between October 1 and April 1.

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Sugar Creek Adjudication, Civil Case No. 2719, Slakiyou County Superior Court, June 20, 1806. For additional information comporting this adjudication, see Appendix C. Partial record during 1958. ď ° d

Sugar Creek Adjudication, Civil Case No. 590b, Siskiyou County Superior Court, Sperence 73, 1976. For additional information Concerning this adjudication, see Appendix C. ÷

Owners are listed in Table 7, Index to Surface Water Diversions.

Slekiyou County records. . 0

Water Rights of Siskiyou County.

Records of Surface Water Diversions

Periodic or continuous measurements of surface water diversions were made during 1958, wherever it was feasible, to measure the flows. Results of these measurements are reported in Table 6 and are summarized below. Substantially, all diversion measurements were started by April 1958, prior to the commencement of intensive irrigation, and continued to obtain a complete season's record. The measurements were classed as estimates when data were incomplete or uncertain. If diversions were located late in the survey so that measurements could not be made during part of the season, this is also indicated in the table. When feasible, measurements of each diversion were made at a location above the area of first use and as close to the diversion intake as possible, but below any regulatory spill. Those exceptions where spill occurred below the point of measurement, are noted in the table.

Diverted quantities were determined primarily by measurement of open channel flow and testing of pumps.

Periodic current meter measurements of open channel flow were made during the diversion season to obtain channel ratings. The water stage was recorded either by weekly observations of a staff gage or with a continuous recorder, from which quantities of flow were calculated. Existing Parshall flumes or weirs were used whenever available. Pumps were similarly rated and quantities of flow calculated from operation or power records.

In Table 6 the superscript "e" indicates that at least 10 days' record within the month was estimated. If insufficient data were available to report monthly values, but an estimate was made for the total period, this is indicated as "----**----". If no record was available on which to make an estimate, this is indicated as "----NR-----". When the diversion for a given period is known to have been zero, it is so indicated. Notations regarding extent of irrigation period indicate the overall period of irrigation, but not necessarily that daily or continuous irrigation was practiced throughout the period. Notations that a stream source was "dry" at a certain time indicate that the source was essentially dry, and that streamflow was so low as to make diversion infeasible.

The total amount of water measured during 1958 was 282,200 acre-feet, diverted for all purposes, as shown in Table 6. As noted on page 24, measurements are quantities of water diverted and include canal losses as well as water applied directly to the irrigated lands.

TABLE 6
MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

	Remorks						1. 1980 Includes an estimated 1,500 scre- feet for January thru March.				The transport of the tr	y's rec rds 1 parer thesis.				
	R						Includes an est feet for Jenu /*'/ re					757 rec rds				
	Total				2,003	7-7	12,796	1,179ª	7	1.10	9,116	(404)	116	14.2	199	329
	Dec						8779	69			2			0*	3	
	Nov					Q	(729) (718)	3	ab		146		R	*	47%	
	000				,,977	36		17.1	13%		708		÷	2	170	2/1
	Sept				93	135	(7/4)	Lk.3	33		1,-1		33	57	-D	6
1001-0	Aug				5.03	110	2,050	176	7.5	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.16		67	32	9	-
10 OCT	Juc				TC T	3	1,670 2,050 (1,750) (715)	183	L, 8	1 d d d d d d d d d d d d d d d d d d d	7,380 3.0	- 4R-	3	200	299	80 7
iverted,	Jun				77.	35		167	12,1	0	8008	1	NI.	90	~	29
Amount diverted, in acre-feet	Moy					120	1,860 1,813 (2,816)(2,446)	,022	150	2	1,330		1	5		1. 23
Αu	Apr	Į.					3 1,860 1,813 (1,756) (2,816)(2,446)	n	^		0	-	#		2	0
	Mor	SUBUN	1	FINDS	_	0		0		0	ı	(9)				
	Feb	JNTAIN	livers a artist	AN SUI			1) (6%)	3	0			6) (126)				
	Jon	BALL MOUNTAIN SUBUNIT	o, liver	CALLAHAN SUBUNIT		0	(587) (301)		0	0		(135) (106)	0		o	0
Method of	observation and colculation	W -			Staff ras de the de the tree thousant	chaff age and the flow	Staff age and ao th-flow relutionship	Staff gare and depth-flow relationship	otaff gage and depth-flow relationship	Estimuted	Water-stape recorder und depth-flow relationship		Staff tage and de theflow relationship	otaff upn and depth-flow relationship	Staff ya n and depth-flow relationship	Staff pays and depth-flow relutionship
Point of	measurement or estimate				, a feet below intake	· 3) feet telaw intake	100 feet bul w intuke	in fret below intake	o fert below intuke	ī	200 feet below intoke		.1 lie bataw intoke	30 foot below intakn	40 feet beise intake	60 free balow intuke
	0.56				ir 11.0	ti tit ilmini i tici ilmi maletiny	irripotion	lrri,ation	irrigation, stark- watering	Irrigation	lrigation		irr of no stock-	Irrhati n	Irrigation, stock-	Matering
Diversion name	Or Owner				A vert	ě	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Jenn Barnes D. H. Larevers	C. 4. Springli	, W. Hrdneil	3 oft /a lry frri- ation District.		J. TI na	C. A. ba !	C. A. Ball M. E. Michman	v. Uarthelonn
Octar Ston	Locotion					40k/84+20H1	1.4-5	4 N. (n. 1J)	10 mm 94-128.	6 to 70- 282	2.18/·M-2b1		41N/9M-9L1	L1N/m-1001	THCU-W/HI7	41N, M-15A1

. Due to langth of ditch, losses of unknown extent occurred below point of messurement.

TABLE 6 (Continued)
MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

	Remarks															
	œ															
	Total			350	1,713ª	1,492	7259	105	5.45	2,405	1,567ª	16	159		393	099
	Dec			200	· S	-3 SC		2		\$50°	75.7	7	6			
	> 0 Z			722	26	63		7		516	3		1 2			
	001			. 57	123	5		9	7	4,3%	185	0	977		82	22.
	Sept			189	122	\$				2	159	0	C7		88	139
-1861	Aug			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	196	108	17		28	232	797	~	E E E E E E E E E E E E E E E E E E E		92	70
Amount diverted, in ocre-feet	lul			11:4	22	372	1.25	71	63	218	223	-7	- N-		35	90
verted	Jun				360°	2	207	₹	3	56	190°	7	j 		d	101
iount d	Moy			0	370 ^e	317	380	S	180	120	210	0	°	_	25	4.1
A	Apr	tinued)		0	2	0	0	2		0	Э	7	9	SUBUNIT	m	59
	ž o	IIT (Cor			0	0	0	0	0	ာ	c				0	29
	Feb	SUBUN				9	2	0						RESERVOIR		
	Jan	CALLAHAN SUBUNIT (Continued)		3	0	0		2			0	0		DWINNELL		
Method of	observation and	C		Staff gage and depth-flow retationship	Staff gage and dopth-flow relationship	Stuff gage and depth-flow relationship	Staff page and depth-flow relationship	Staff and depth-flow relationship	Staff gage and depth-flow relationship	Staff yage and depth-flow relationship	Staff gage and depth-flow relationship	Staff Rage and depth-flow relationship	Staff gage and depth-flow relationship	I M O	Staff Fage and depth-flow relationship	Staff page and depth=flow relationship
Point of	measurement or estimole			3) feet below intake	300 feet below intuke	0.2 mile below intake	200 feet below intuke	20 feet below intake	., 1 milo bolow intake	20 feet below intake	30 feet below intake	4 feet below intake	230 feat below intake		30 feet below intike	230 feet tolow intake
	Use			Irrigat.on, stock-	Irrikation, stock- withring	Irrivation, stock-	Irrivation, stock-	Irriration, of CP-	Irriation	irriation	Irrigation, stock-walering	irrigation, domestic	Irrigation		Irriat on	Irrivation, st ck- witering
	or owner			it, ireen	C. A. Hall K Glch an H. Jreen	North Pork Ditch	John H. and Eleston	Falle b d. L lax	h sie k, and allilam R. Cory	, eun Barnes H, A, Fisher U, H. Armyers W lf rothers	Elsie E. and William H. Cory John H. end Eleanor Mason H. Green	Henry and May Aker	dobert t. and Louise Lewis		, telle . Mi s	Payheria . 11 a
	Lacation		2 4 2	418 94-153	1 51-16/1117	41%, Pm-, 181	411 / 14	418 M-226.	4111/9h-22	4111/4d5F	14.8 44-281	4. N. 196-28C1	1171-Nf N 7		7. I - M - 13 - 5.	14. 1. 1. 12. 12. 12.

a - Due to length of ditch, losses of unknown extent occurred below point of messurement.

See remarks.
Monthly value estimated.
Oiversion estimated for period indicated.
Na record for period indicated.

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958 TABLE 6 (Continued)

	Remarks												decord obtained from eatermaster.				
	Totol		17-71	£, 24 €,	134		1	9 9	8,810		7	5/2	65,40	· ·	0.7	0,4%	
	Dec								0 2								
	No.										171						
	000				272	34			90, 60		*	F	Э				
	Sept		167	11.614	905	ě		547	-		53	300	Diste			3 3 2 8	
-feet	Aug		â	36	77.77	3		55	1.6			1,07	, 578	÷	0 0 1		
in ocre	Jul		17 17 18	869	286	53	8	*	966		₹	291	2 . ·				
Amount diverted, in occe-feet	Jun		36	166	55.	90		8		1	177	35.	1,977		3	9	
nount d	Moy	finued)		750		35		12	761	3	7.4	233					
An	Apr	SUBUNIT (Continued)						0	1,153		260	127		14.5			
	Mor	SUBUN	7														
	Feb	NOIR			2				- 74 K-								
	Jan	RESERVOIR							9 8 8 9				2			3	
Method of	observation and colculation	DWINNELL	Staff gage and depth-flow relationship	Staff page and ded hillow	Staff page and depth-flow relationship	Staff pure and depth-flow relationship	Estinated	Staff "c." and depth-flow relationship	Staff guge and depth flow relationship	Estimated	Staff page and dejth-flow relationship	fump test and pawer records	(e)	Pump test ac.1 power records	1.435.013004	hati-ted	
Point of	measurement or estimote		5. Inet below intake	300 fert below intake	%3 mile helow intake	10, feet below intake	l frettelwintske	.i mir belom intake	150 feet below intake	it intakr	At Intoke	it w.	(a)	At puni	At int Re	At marke	
	Use		Irripation	Irrigating of ck-	Irripation, stock-	Irrivelson, stock-	Irr 'athor, of ck-	Irr. ".o., st ck- watering	Irri selon	1. 1. 1.		2 1 3 Pr. 22 2	Irrad on	Irreset no com	Ang of the base of	ו ייין ייין	
	Diversion name or owner		aybelle . Wils	55 L	Maybelle B. Mille	sylvite Pi s	6- 8- 3- 8-7-	- AKS	a Dulr	E 12.	4 e e e e e e e e e e e e e e e e e e e	f. (-1884 - 1884-	or thinky by Sell in	9 v. 10014	My o. Louis	
	Locolion	a ^a				2 × 4				= -	€ p	47		1 2		. / 20-7 .	

See remarks
Monthly value estimated
Diversion estimated for period indicated
Na record far period indicated

e - Due to length of ditch, losses of unknown extent occurred below point of measurement.

TABLE 6 (Continued)
MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

Intake St				To torod	N content				Am	ount div	erled, 11	Amount diverted, in ocre-feet	feet				
	Location	Or owner	₽\$∩	measurement or estimate	observation and colculation	Jon	Feb										
					DWINNE		RVOIR	SUBUNI	T (Conf	nued)							
1113 1, Louis Frigation A. Intale Bilimeted 0 0 0 0 0 0 0 0 0 0 0	108 & M																
Elis J. Loite Frigation A. Intale Stillated C C C C C C C C C	£06~MS/HE7	Ellis J. Louie	lrrigation	At intake	Estimated	0	0	0			*	1	7	!	0	0	0
	43H/5W-9H1	Ellis J. Louis	Irrigation	At intake	Estimated	0	0	0			-				2		0
Mary 1, Name	439/54-1001	Ellis J. Louie	Irrigation	At intake	bstimated	0	0	0	0	0	0	#	8 9	0	0	0	0
Natural Natu	43N/5W-25Ll	Minnell Reservoir		(*)	*)	0	0			,182 1,	824 3,			393	0	0	
	43N/5W-25M1	Marvin L. and Inez H. Miller	Irrigation	100 feet below intake	Staff gage and depth-flow relationship	and the state of t			0 0 0 0	NA	8						r
Public P	44N/4W-16R1		Irrigation, stock-	At intexe	Staff gage and depth-flow relationship	0	ດ	15	772	23	22	\$	21	21	25	0	9
Decembed and Irrifortion At intake Staff gage and depth-flow relationship Staff gage and depth-flow relations	LLN/LW-28AI	Aubrey J. Nuneo	Irrigation, stock-	50 feat below intake	Staff gage and depth-flow relationship	0	0	2	10°	6	5	35	5	9		0	m
Cloak Lake Irrigation Start Delow intoke Start Dage and depth-flow relationship Start Dage and depth-flow rel	44N/4W-28MI	Donald and	Irrigation	At intake	Staff page and depth-flow relationship	***	de se se se se		129			150					5
Charles T. and Irrigation At intake Staff Fuge and depth-flow Charles T. and Irrigation At intake Staff Fuge and depth-flow Charles T. and	44N/5W-20J1	Cloak Lake	Irrigation	50 fert below intake	Staff gage and depth-flow relationship	0	0	0	0	0	13	25	13	200	٠ <u>٠</u>	9	4
Salt Lake Irrigation At intaken At intaken Staff (agg and depth-flow relationship) EAST FORK SUBUNIT EAST FORK SUBUNIT A. E. (idehardson watering watering) A. E. (idehardson lirigation to below intaken watering) Staff (agg and depth-flow relationship) O	44N/5W-20P1	Charles T. and Ellen B. Drummond		At intake	Staff gage and depth-flow relationship			90	55	150		163			Ξ		6
A. E. Alchardson Irrigation, stock- 50 fret below intake Griff Raje and Charine L. Rich Irrivation, stock- 3.1 mile below intake Staff Raje and Jephh-Tlow relationship	44N/5W-29C1	Salt Lake	leatenton	At intakm	Staff gage and depth-flow	0	2	120°	14.5	101	63	65	135	3		3%	77
A. E. Alchardson Irrigation, stock- 50 feet below intake Gharing and 0 0 0 0 0 0 1 1 4, 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						EAST	FORK	SUBUNIT	-								
Charles L. Rich Irrivation, stork- 3.1 mile below intake Staff Rays and 0 0 0 0 90° 60° 299 172 133 136 40 3 deph-flow relationship	192-M-1/N17	pa ²	Irrigation, stock-	50 fact below intoko	Staff gage and depth-flow relationship	2		0	Э	0		~	-0	2	n n	0	ν.
	" N/74-7L1	Charles L. Rich	Iriyation, stork- watering), I mile below intake	Staff Maye and depth-flow relationship	0		0	0	50°		583				097	2

See remorks
Monthly volue estimated
Diversion estimated for period indicated
No record for period indicated

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958 TABLE 6 (Continued)

			Point of	Mathod of				Δmo	unt dive	Amount diverted, in ocre-feet	ocre-f.	101					
Locotion	Diversion nome or owner	Use	measurement or estimate	observation and colcutation	Jon	Feb A	Mor A	Apr M	May Ju	Jun Jul	il Aug	ig Sept	pt Oct	nov	v Dec	c Total	Remorks
				000	FAST FORM CHRINIT (Continued)	2	7 (700)	(period)									
2																	
40N/74-712	Laurence Franklin	Irrigation, stock-	150 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	287	14.1 2.	235	3	89	80	0	0 939	6
TH8-#2/NO7	Charles L. Kich	Irrigation, stock-	30 feet below intake	Stoff gage and depth-flow relationship	0	0	0	0	900	14,00	88	29	\$	88 130	D 12.	172	8
1381-M7/NC.	Laurence Franklin	lrrigation, stock-	300 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	107	101	109	121	66	908	0	0 617	2
TYOK-35/NO7	Laurence Franklin	Irrigation, stock-	l mile below intake	Staff gage and depth-flow relationship	0	0	0		90	717	96	29		5 69	23	0 471	
4. N/84-221	Nerva M. Mayden	Irrigation, stock-	250 feet below intake	Staff gege and depth-flow relationship	0	0	0	0	20°	90	22,08	91	15*	80	13	20 180	0 File washed out 8/15 - 9/3.
40N/8M-13L1	Frank J. Hayden	Irrigation, stock-	O.7 mile below intake	Staff gage and depth-flow relationship	0	0	~	5	110	27	75	27	55	92	8	85 565	20
4.08/PM-15R1	Nerva M. Hayden Hazel Owene	Irrigation, stock-	20 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	e 089	278	174	281 2	21.2 2	222 135		60 2,048	90
4 N/84-22F1	Rodney Mamilton	Irrigetion	20 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	*S.	11	9	→	9	00		0	53
4.0N/84-221.1	Modney Hamilton	Irigation	30 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	90	32	17	m	7	22	~	0 11,0	0
LUN/PM-221.2	Hodney Hamilton	Irrigation, atock-	10 feet below intake	Staff Rage and depth-flow relationship	0	0	2	0	70*	5,7	51	17	6.1	55	9	0 289	6
40N/EM-22P1	Hodney Hamilton	Irrigation	100 feet below intake	Staff Page and depth-flow relationship	0		0	0	"08	31	2			0	2	021	0
LON/PM-2381	Frank J. Hayden	Irrigation, stock-	150 feet below intake	Staff gege and depth-flow		0	0	0	250	155 1	166	300	592	2.2 11	113 17	1, 1,497	2
TON/84-23DI	Frank J. Hayden	Irrigation, stock- watering, domestic	100 feet below intake	Staff gag: and depth-flow relationship	0	0	0	0	160°	53	59	77	53	818	9 44	63 634	-7
135E-Ma/NO7	Hodney Hamilton	Irrigation	25 feet below intake	Estimated	0	0	0	0	0	0	0	0	And the same of th	A	1) 170	0

See remotike Monthly value estimated Diversion selimated for period indicated No record for period indicated

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN SHASTA-SCOTT VALLEYS HYOROGRAPHIC UNIT, 1958 TABLE 6 (Continued)

Diversion Diversion name Dise	medurement or estimote	observation and colculation	Jan Feb	Mar									Total	Remarks
region living to the contract of the contract	, en				Apr	May	Jun	ا ا ا	Aug	Sept Oct	No.	v Dec		
Friedrich (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		EAST	EAST FORK SUBUNIT (Continued)	INIT (C	ontinued)		5 - - - - -						:	
region	* 44 													
fr 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		the state of the s						~	37			14, 1	10" . 8	intal includes an cottnated 23 acre-feet spilled below point of measuracont.
A contract of the contract of		į					19 2 2 2 1	ı			-	~	2	
rejeren Irrientan 6 Irrientan 6 Irrientan 7 Irrientan 11 Irrientan 1		Pass 1 at al					10 13						0.55 C	
Irriction Little Community L		Pig. Tirg						1 1 1 1 1 1 1	1				3	
Interest to the second of the	6) fret below into.	degth flow relectionabile					a	<u>~</u>	*		0		95	
a try are a herball as disce-		p-1: .11 u									2		10	
	. Ale be se intake	staff a und de theffor			0							2	01	
418/88 451 herv , sydem hervitting when he	1	hati nerd			2	1	1		2				130	
4.33.80 GAL Cyde F white here asserting, stone 12 f	le feet her wastaken	Staff juge and depth-flow relationship				1.9	75	17	3	1 + 2	٥	7 09	162	
, and for Laytons, Powler Brishing which the	4) from the own thanks	Staff Tape and depth-flow re- act, nably				54		1	76	\$15	91/		1 37.1	
			EDDY CREEK SUBUNIT	x suaut	<u></u>									
4 h 1 trr zation 20 E	2) Fer Letow intika	Staff gage and dutth-flow relationship		07 10 1 1			~				2	- 192	3	
Tree of the Amended Tree of the 3	3. Fret bolow intike	Staff gare and desch-flow relationship	0	0	36	14.9	109	52	~ ~ ~	31	0		. 57k	

See remorks
 Monthly voluce estimated
 Diversion estimated for period indicated
 NR No record for period indicated

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN SHASTA-SCOTT VALLEYS HYOROGRAPHIC UNIT, 1958

			Point of	Method of				100	Amount diversed, in other sec	111 10	2						
Locotion	Uiversion name or owner	Use	meosurement or estimate	observation and	Jon	Feb	Mor Apr	r Moy	Jun	Jul	Aug	Sept	000	No.	Dec 7	Totol	Remorks
				EDDY	EDDY CREEK SUBUNIT (Connaued)	SUBUNIT	(Confin	ued)									
N O W																	
4.1" N-28V1	Stuart Hammond	Irrigation	150 feat balow intake	Staff gage and depth-flow relationship	c		0	0	10	92	35	ส์	17			027	
1061-w- WL.	Stuart Hammond	Irrigati n, st ck- watering	100 feet in w intake	Staff gage and depth-flow relationship				0 440	2,80	83	77.4	68			3	A gire of S	
41h 5m-33B2	of art Hammond	Irrigation	150 feet below intake	Stail page and depth-flow relationship			?	99	66	8	57	\$	0			354	
10 % 6 M- 13 Um	Jtu. Ft Harmond	Irrigation	50 feet below intake	Estimated										0 0		1967	
(Import from Shart from Shart Lake oddrographic Phit)	eth rope Dilch	Irrigation	1) fret belom ojili.	Staff eage and derth-flow relationship			4	297	1.06	25 A	32	177	~	7		1,57.	
					ETN	ETNA SUBUNIT	L Z										
TH7-M. 877	L. H. Vincent	Irrigat.on, stock-	25 fret below intake	Staff gage and depth-flow relationship	8 8 8				137	6	5	177	53	57	18	946	
42. 44-781	imland Y ing	Frigation, stock-).7 mile below intake	Staff page and depth-flow relationship	4 1 2 2 0				340	163	14.1	59	65	130	1 (1.	- (°) (°)	
426/16-731	te and Your	Irrigation	500 fret briow intake	Staff gage and depth-flow	1		N. K.		979	307						94.7 Surce	Source dry 7/ 7/58.
12N M-8K.	Frank Simmons Land Y ung	Irrigation, stock- watering	4 x) feet below intake	Staff gage and depth-flow relationship		0 0	N Re-		EQ.	22,						227 Starte dr.	# = = = = = = = = = = = = = = = = = = =
420 14-931	L. H. Vincent	Irrigation, stuck- Matering	150 fact below intake	Staff Kage and depth-flow relationship		and device of the state of			779				Ŷ		69	. 25	
A.N Malb L	Franst Bigher	Irrigation	75 feet be. w. m. take	Staff gage and depth-flow relationship	4 4 4 6 7			lin ma op ' ma ha die									
4.28/144-17H2	Artest Blyham	Irrigat, n, st ck- matering	Soft below intake	Staff age and depth-flow		18				7	17.					77	
4.24 n=1710	daryaret Highes	Intibut n, tok-	feet hellswintake	Staff Farm und desth-flow relationship					7	4							

See remarks
Monthly volue estimated
Diversion estimated for period indicated
No record far period indicated

TABLE 6 (Continued)
MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

			Point of	Method of												
Locotion	Diversion name or owner	Ns e	medsurement or estimate	observation and colculation	Jon Feb N	Mor Apr	r Moy	Jun	lul	Aug	Sapt	Oct	» No	Dec 1	Totol	Remorks
				ET	ETNA SUBUNIT (Continued)	ontinued)										
11 0 13 4 M	Baselloops Talleton.	Irrization	200 feet below intake	Staff gare and depth-flow			350°	228	123	0	0	0	0	0	701	
4.14 YM-26L1	F. couglas Morn	Irri ation, stock watering	At pump	Pump test and hours of operation	0	0	0	0	0	N	end.	~	0	0	~7	
4-21 94-27EL	r. Duntas Born	Irrigation, stock-watering, domestic	50 fert be ow intake	Staff gage and depth-flow relationship	0	0	0 20 0	30	0	0	0	0	0	0	8	Source dry 8/14/58.
4-11 m- 831	Paper Brothers	Irr Jats n, stock-	100 feet helow intake	Staff gage and depth-flow relationship			2300	231	175	0	0	0	113	170	919	
1 4C-24 1	м, Л. На элау	irri tion, stock-	200 feet below intake	Staff gago and depth-flow rolationship		-NR		370°	14,5	-	0	0	0	0	\$16	Source dry 9/8/58.
L-28 YM-2951	Carl Hammon	Irrigation, stock- watering, domestic	100 feet below intake	Staff gage and depth-flow relationship		-N.R	108	129	91	98	52	38	771	59	209	
12 M TA-24)	J. H. HcHames	irri Ttion, stnek~	22) feet above intake of 8-inch pipeline	Staff page and depth-flow relationship		-138		20	92	-	0	15	17	16	83	
4.2%, VM - HQ	.tra Mil Oltch	Irrivat on, stock-	J.1 mile below intake	Staff gage and depth-flow relationship			- 760°	757	582	4,24,	294	125	21.7	132	2,991	
1.21, 14.33El	Nonneth De aw	irrivation, stor-	1.3 frot below intake	Staff gage and depth-flow	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~) - 	100	25	16	0	0	0	55	7	77.7	
, 111 /A-31A1	Th - a V. Wallton	Irrivation, stork-	330 fret below intake	Staff yage and depth-flow relationship	And the second s		228	178	0	0	0	0	0	0	907	Source dry 7/10/58.
6 M M-316.	staniny M. rriden	Irri ation, stark- withing	, smile below intake	Staff and depth-flow relationship	0	0	0 110	174	<i>3</i> 4	0	0	0	77	0	297	Source dry 7/10/58.
1638 ph-11-	ten to the second	Irrivition, of 'x-	At rump	Nump test and hours of operation	0	0	0 0			1			0	0	210	
16.338 3. Md-56	Arano erakta	lrri-str n, sork- mretrne, power	700 frat helma intake	Water-stage recorder and depth-flow relationship	(46) (237) (0	(198)	0 730°	792	693	328	199	191	253	280	3,466	1959 records in parenthesis.
4,3N, 10M- 6LL	w. H. omith	£	At intuko	Staff gage and depth-flow	NR	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	300	22	77	60	6	10	5	0	97	

See remarks Mankhy volue estimated Oversion estimated for period indicated No record for period indicated

N . . .

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958 TABLE 6 (Continued)

			0					Amoun	Amount diverted, in ocre-feet	od, in oc	re-feet						
Diversion	Diversion name or awner	• sn	neosurement or estimate	observation and	Jon	Feb M	Mor Apr	r Moy	Jun	Jul	Aug	Sept	0 ct	No.	Dec	Total	Remorks
				[3	ETNA SUBUNIT (Continued)	VIT (Co	nflnued)										
H D B & H	witht and Eletcher Irrigation Ditch	Irrigation	150 feet below intake	water-stage recorder and depth-flow relationship	(89)	(8) (1	(779)	0 3,43	0 3,430 1,790 1,400	1,400	92 NRNR	55	8	166	162	7,155	,155 (222) 1959 records in parenthesis.
					GRASS LAKE SUBUNIT	AKE SU	BUNIT										
					No diversions measured	ons measu	"ped"										
					GRENADA SUBUNIT	A SUBI	TIN										
4.25/6M-2P1	Edson L. Foulke	irrigation, stock-	O.1 mile below intake	Estimated				Ī			0	0	0	0	0	230	
4.2N/6¥-2P2	idson L. Foulke	irrigation, stock- watering	O.1 mile below intake	Staff gage and depth-flow reletionship		#	1	160 ^e 61	8	0	0	0	0	0	0	719	
4.23/64-3H1	Edson L. Poulke	Irrigation	500 feet below intake	Staff gage and depth-flow relationship	0	0	0	234 326	5 201	177	164	95	81	32	0	1,310	
4.2N/6H-3R1	Fred Carpenter	Irrigation	1	betimated	0	0	0	0		1			0	0	0	20	
L-9/64-921	Dan Shellny	Irrigation	350 feet below intake	Staff gege and depth-flow relationship	0	0	0	0 16		10	ನೆ	ಸ	40	0	0	8	
186-89/87F	Dan Shelley	Irrigation	1	Estimated	0	0	0	0	*	0	0	0	0	0	0	07	
4.29/64-101.1	G. G. Maxwell	Irrigation	1	Estimated	0	0	0	0	#	0	0	0	0	0	0	윤	
4.2N/6#-16C1	Dan Shelley	Irrigation	8	Estimated	0	0	0	0 120	0	0	0	0	0	0	0	120	
734/2M-601	Grenada Irrigation District	Irrigation	0.5 mile below intake	Water-stage recorder and depth-flow relationship	0	0	7	429 1,053	3 507	1,833	1,72,	719	0	0	0	6,268	

See remarks
Monthly value estimoted
Diversion estimated for period indicated
Na record for period indicated a e ii ii

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958 TABLE 6 (Continued)

Samuel Bruinama Irrigation 300 feet below intake Samuel Bruinama Irrigation 150 feet below intake Samuel Bruinama Irrigation 150 feet below intake J. L. Frice Irrigation 150 feet below intake J. L. Frice Irrigation At intake John L. Doren Irrigation 200 feet below intake Moland Werl Irrigation 200 feet below intake John L. Doren Irrigation 200 feet below intake Waland Werl Irrigation 200 feet below intake John L. Doren Irrigation, stock- 0.6 mile below intake Waland Chr Irrigation, stock- 100 feet below intake Waland Chr Irrigation, stock- 100 feet below intake	0			Point of	Method of				Amo	unt dive	rted, in	Amount diverted, in ocre-fact	t o					
Second Direct Intrinsice	Lacation	or owner	Use	measurement or estimate	observation and calculation										No.	Dsc	Total	Remorks
Including Irrigation Irri					GREN	AOA SU	PUNIT	(Continue	(p									
	H D D & M																	
Summaria Structures	43N/5W-6D2	Hursman Ditch	Irrigation	200 feet below intake	Water-stage recorder and depth-flow	- 1	1			40 1,67	0 1,94	0 1,41	0 1,160	1,120	0	133	7,077	
Secret brings Irrigation 199 feat below intake Secret brings Secret	1.38/64-21.1	Samuel Benteama	E 6	150 Geet, below for ake	Staff cace and			802)									(1,106)	1959 records in parenthesis.
Summer Stringman	1977-wa /sc(4)	WENTER TORRES	TIKacion	AND LEVEL DOLOW INCOME	depth-flow		0								0	0	356	
Same the line and the state of the state o	43N/6#-11B1	Somuel Bruinsma	Irrigation	150 fert below intake	Staff gage and depth-flow relationship	0	0	0							0	0	244	
J. L. Frice Irrigation At intake Eatlanted 0	43N/6M-11G1	Samuel Bruinsma	(4)	150 feet below intake	Staff page and depth-flow relationship	0	0	0							0	0		Purpose of diversion in year of survey was leaching an alkali field.
J. L. Frice Irrigation At intake Satisfated adelth-flow O 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4.3N/6M-14N1	_i	Irrigation		Estimated	0	0	0	0		0			0	0	0	8	
July Lighton	43N/6M-22A1	i.	Irrigation	ł	Estimated	0	0	0	0					0	0	0	07	
July 1. Price	438/6W-23N1	i.	Irrigation	At intake	Staff gage and depth-flow relationship	0	0	0							0	0	244	
Edgon L. Foulke Irrigation 200 feet below intake Water-stage depth-flow roll throughly Lobren Irrigation Irrigation L. Doren Irrigation L. Doren Irrigation Irrigation L. Doren Irrigation Irrigation L. Doren Irrigation L. Doren Irrigation Irrigation	43N/6W-26C1	_1	Irrigation	250 feet below intake	Staff gage and depth-flow relationship	0	0	0							0	0	147	
John L. Doren Irrigation	TH7E-#9/NC7	Edson L. Foulke	Irrigation	200 feet below intake	Water-stage recorder and depth-flow relationship	0	0	0							н	0	777	
Freeman	44N/64-31A	John L. Doren	Irrigation	1	Power records	0	0	0							0	0	835	
John L. Doren Irrigation, stock- 0.6 mile below intake Graff (age and O 0 0 0 37 13 48	14N/6W-10A1	Williard and Heri Pressan	Irrigation	ŀ	Power records	0	0	0	18						0	0	27	
Holored Patrum Irrigation	44N/6m-11L1	John L. Doren	Irrigation, stock- watering	0.6 mile below intake	Staff gage and depth-flow relationship	0	0	0							0	0	66	
Sarah Drr Irrigation, stock- 100 feet below intake Staff gage and depth-flow depth-flow relationship	448/6W-14A1	Holand Pratrom	Irrigation	Part of the state	Power records	0	0	0							0	0	877	
	1711/9M-30KI	Sarah Orr	Irrigation, stock- watering	100 feet bolow intake	Staff gage and depth-flow relationship	0	0								0	0	132	

Monthly volue estimoted
 Monthly volue estimoted
 Diversion estimoted for period indicated
 NR-- Na record for period indicated

TABLE 6 (Continued)
MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYOROGRAPHIC UNIT, 1958

Location Location L. A. P. L. A. A. J. A.	Uversion nome or owner	Use	measurement or estimate	observotion and		Feb											
					000		Mor	Apr May	nul ye	lu Jul	Aug	g Sept	ot 0ct	Nov	Dec	Total	Remarks
				GRE	GRENADA SUBUNIT (Continued)	JBUNIT (Continu	ed)									
	ulina	irrigation	100 fert brlow intake	Staff gage and depth-flow relationship	0		0	17	~	0 10	10° 16	S	0 7		0		69
	ullu · ···	Irrirotion	150 feet belim intake	Staff gage and depth-flow relationship	0	0	0	0	133 2	250 166	3 107		82 86	77	0		865
1C1	H. Julian	Irrigation	200 feet below intake	istimuted	0		0	1	1 mgc	0		0	0		0		30
deli en-2-3 1.	and the	Irrigation	75 feet below intake	Staff Rage and depth-flow relationship	0	2	0	0	13	32 21	122		17 12	ä	0		133
JAN (#-25F] Jan	Jerald Jenkins	Irrigation	0.5 mile below intake	water-stage recorder and	->!\\	ļ	306 10	130° 3	358 3	327 44.9	617		44 426		0 121	2,502	15
				relationship	(128)	(0)	and the state of the state of			NR						٦	(128) 1959 records in parenthesis.
1. 5-40 AL	Jamel Bruinsma	Irrigation	At intake	Staff Rage and depth-flow relationship	0	0	0	~	35 L	115 120		97 E	83 II.8	3 129	301.		708
448/Fa=2981 Sa	Sarah Orr	Irrigation	At intake	Staff gage and depth-flow relationship	0	0	15	23	13	0	0	0	0		0		51
44.8/6 4-2/51 W	William J. Jallarda	Irrication, stock-	1	Estimated	0	0	0	<u>e</u>	0	*	0	0	0		0 0		10
1/2 m - 12 m = 1	wil ian J.	Irrigation, stock- watering	100 feet below intake	Staff Maye and depth-flow relationship	0	0	90°	19	22	17 37	7 35		23 28	27	7 26		360
46.8/60-3 H. W	William J. Gallarda	Irrigation, stock-	50 feet below intake	Estimated	0	0	0	-	-	0	0	0	0 0		0		10
140 -54 1/H977	William J.	lrrigation, stock- watering	75 fact below intake	Estimited		0	1	1		0.00		0	0		0		07
44N/64-11 NI	William J. Sallarda	Irriyation, stock-	200 feat balow intake	bstimated	Э		0	0	10 to the file (to the file)	ļ	,	0	0		0		8
44N/6W-3101 4.	4. E. Wanaka	Irriration	75 feet below intake	Staff gage and depth-flow relationship	0	0	0	37	88	17 19		m	0		0		100
44N/6W-35E2 SN	smenting. Iduals	Irrigation	1	Staff gage and depth-flow relationship	0	0	76 17	147 1	169	99 147	7 14.1		90 32	5.2	2		486

See remarks
 Monthly salue estimated
 Oversion estimated for period indicated
NR-. Na record for period indicated

-92-

TABLE 6 (CONTINUED)
MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

4000		Point of	Method of		1	Am	Amount diverted, in ocre-feet	ted, in	ocre-fe	-					
or awner	Use	medsurement or estimote	observotion and calculation	Jan Feb	Mor	Apr	Moy Jun	امال	Aug	Sept	000	ò	Dec	Totof	Regarks
			¥	 KIODER CREEK SUBUNIT	EK SUBUI	LIN									
				(No diversions measured)	ons measure	q)									
			ر	 LITTLE SHAS 	SHASTA SUBUNIT	F									
44N/rm-3Kl breald E, and lilene D. watson	Irrigati n, stock-	150 feet bring intake	Staff gage and depth-flow relationship	0	0	0	40	ao 5.	52	2	0	0	0	80	
Shart Liver mater Users association	r Irrigation	At pump	Nump that and power records	>	0	1,343 2	2,430 1,674 2,496	74 2,491	2,496	1,663	6847		0	12,641	
Lenald E. and Illene D. watson	Irri, ation, stock-	0,2 mile below intake	Staff gage and depth-flow relationship	o	0	0	77	31 20	3%		0	Э	9	89	
John L. Doren	Irriation	to as	Staff gage and depth-flow relutionship	-	0	~	03	0	6		o N	0	7	23	
this little of the by the ren	Irri otton	0 2	Staff gave and depth-flow relat enship			0	4	0	6 6	2	0	0	0	18	
45W/4W-16B1 Harp Ditch	Irrigation, stock- watering	*	(*)	2	0	-28E		70	55	546	72. E.R.	0	0	176	Master Service,
454/4#-1951 Alfred C, and Vlola A, Edmonds	Irrigation	At Intake	Staff gage and depth-flow relationship	NR	(60)	2.3.	28	38 40	38	28	35	25	779	332	332 (173) 1959 records in parentheals.
45H/4W-1952 Soule and Terrilliger Ditch	Irrigation, stock-	(*)	(a)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		NK		168	3 142	163		-N:K		7.13	uncord obtained from mater- manter Service.
454/4W-2081 Halpht, Deter and Aers, Ditch	Irrigation, stock-	2 miles below intake	Staff gage and depth-flow relationship	0	0	0	34.0 1.	1,64, 1,09	371	312	44	9	0	1,993	
.,5%/5%-25"1 Babe ck, Martin and Soule Ditch	iripation, stick- watering	(0)	(a)	der Deutsche der die der die der der 190	Grander are and the same of th	-NR		2/16	161	131		18	3) 3) 4) 4)	538	meter Service.
45%/5%-25B2 Mustrave and Linton Oitch	Irrigation, stock- watering, domestic	(*)	(*)			m	as de assess su sus dandes su	3,40	197	306		#		1,153	Record obtained from water- master berykce.
4,54/5W-25B Nadyo I. Hart	Irright for	(a)	(e)			-		8 417	90	9K1				1,168	incord obtained from mater- matter Service.

See remarks
 Morthly volue estimated
 Moresson estimated for period indicated
 Na Na record for period indicated
 Na Na record for period indicated

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958 TABLE 6 (Continued)

			Point of	Method of				Am	Amount diverted, in ocre-feat	erted, 1	n ocre-	-feet							
Location	Diversion name or owner	Use	madsurement or estimate	observation and	Jon	Feb	Mor	Apr	Мау	ր Մաս	م ادر	Aug S	Sept	Oct N	Nov.	Dec Total	10	Remorks	
				í				1											
# B C H				۰	SHASTA SUBUNII (Confinueda)	NOBOS	5	200											
.sx sa-3041	Donald E, and Illene D, Watson	Irrigation	At intoke	Staff gage and depth-flow relationship	0	0	82	26	82	0	0	0	0	61 1	120 1	777	286		
45N/5W-3ZH2	tarl B. and Mildred U. Flock	Irrigation	At intake	Staff gage and depth-flow relationship	0	0	687	808	920	301	184	0	8	374 (6~1 5	519 4,	4,224		
25/cm-3EI	G. Roland	Irrigation	50 feet below intuke	Staff gage and depth-flow relationship	0 0 0	NR			23	19	8	23	28	23	16	15	167		
458/6m-7G1	F. A. and Joy R. Hoberts	Irrigation, stock-	At pump	Pump test and power records	0	0	0	0	51	27	79	57	암	2	0	0	234		
5N/c≪-18H1	Henry Finck	Irrigation	ě l	Estimated	0	0	0	0	0	0			ŀ	0	0	0	8		
~5N/6W-2DA1	Henry Fiack	Irrigation	At intake	Staff gage and depth-flow relationship	0	0	0	30°	160	192	208	170	81	67	78	85 1,6	1,077		
1,58/64-20-1	Henry Flock Earl B, ard Hildred O, Flock	Irrigation	U.1 mile below intake	Staff gage and depth-flow relationship	0	0	0	100	7899	732	533	307	7 766	187	2%7	0 3,	3,207		
65N/E4-2062	Antonio Ditch	Irrigation, stock-	300 feet below intake	Water-stage recorder and depth-flow relationship	0	0	7,28	207	521	959	089	969	7111 6	673	835 5	518 6,	6,126		
45K/6W-21F1	Earl B. and Mildred O. Fiock	Irrigation, stock-	120 feet briow intake	Staff gage and depth-flow relationship	0	0	0	140°	173	69	118	156	36	11	25	77	748		
45N/6W-22C1	Donald L. Meamber Morrie L. Prather	Irrigation, stock-	50 feet below intake	Staff gage and dapth-flow relationship	0	0	0	0	0	0	67	77	0	0	0	0	16		
45N/6W-25L1	Staon Koppea	Irriration, stock-	1.5 miles below intake	Staff gage and depth-flow relationship	0	0	42	99	77	71	23	8	36	0	0	0	755		
45N/6#-28Q1	Earl B. and Mildred O. Flock	Irrigation, stock-	0.2 mile below intake	Staff gage and depth-flow relationship	0	0	п	73	79	23	59	51	33	0%	775	&	395		
45N/6H-29H1	Mary Lemon	Irrigation	At intake	Estimated	0	0	0	0	0					1	0	0	340		
45N/6W-29HP	Mary Lemos	Irrigation	At pump	Pump test and power records	0	0	0	0	15	6	17	17	9	0	0	0	58		

See remarks
Monthly value estimated
Diversion estimated for periad indicated
No record for periad indicated

TABLE 6 (Continued)
MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

	Remarks									parenthesis.		parenthesis.				
•	7. E									,063 (106) 1959 records in parenthesis.		(479) 1959 records in parenthesis.				
	Total		07	6,3	3		3,981	1,474	784	1,063	2,960	1,932	439	632	160	
	Dec		0	0	0		0	0	0	62	0	297	23	0	35	
	» N		0	0	0		0	0	0	17	55	162	177	51	73	
	Oct		0	0	0		0	0	137	0	317	108	0	0	0	
	Sept			7	0		550	126	242	O.	376	103 NR	0	0	0	
1001-	Aug			0-			1,136	867	226	116	517	14.9	0	0	~	
Amount diverted, in acre-feet	ابار			0-	the state of the s		1,105	471	10	315	677	258	80 80	355	999	
iverted,	Jun		10 III III III III III III III III III I	50	*		402 1	303	104	336	. 945	355	100	22	8	
p funor	Moy		10 to	108	1 1 1		788	92	99	215	7.27	.346	177	700	0	
An	Apr	phinued	0	0	0	BUNIT	0	0	0	2	0	154	0	8	0	
	N P) L	0	0	0	EY SU	۰.	0	0	(32)	0	(136)	0		0	
	Feb	SUBUN	0	0	0	T VALL	0	0	0	NR	0	(156)	0	Z Z	0	
	Jon	SHASTA SUBUNIT (Continued)	0	0	0	LOWER SCOTT VALLEY SUBUNIT	0	0	0	(58)	0	(187)	0		0	
Method of	observation and colculation	LITTLE SI	Estimated	Staff gage and depth-flow relationship	Estimated	LOWE	Rump test and power records	Pump test and power records	Staff gage and depth-flow relationship	Water-stage recorder and depth-flow relationship	Water-stage recorder and depth-flow relationship	Wator-stage recorder and depth-flow relationship	Staff Reye and depth-flow relationship	Staff gage and depth-flow relationship	Staff gage and depth-flow reletionship	
Point of	measurement or estimote		1	400 feet below intake	At intake		At pump	At pump	500 feet below intake	0,3 mile below intake	0,8 mile below intake	O.1 mile below intake	200 feet below intake	200 feet below intake	75 feet below intako	
	Use		irrigation, stock- watering	Irrigation, stock- watering	Irrigation, stock-		Irrigation	Irrigation	Irrigation	lrigation	Irrigation	Irrigation, stock- watering, domestic	Irrigation	lrightion	Irrigation	
	Diversion noms or ownsr		Morris L. Frather	Jeorge Plock	Morris L. Frather		Scott Valley Irri- gation District	Star Manch, Inc.	Freites Ditch	Con and Dennis Mulloy	Weed Ditch	Camp Ditch	Donald Hahn	Dennia Mulloy	Josephine Dangle, et al	
	Location		H D B & N 45N/6W-33A1	45N/6W-33K1	45N/6W-34.01		13H/9W-3H1	. 43V/9W-3H2	438/104-291	43N/10M-9H1	43N/10M-9K1	43N. 7m-10E1	1,3N/1 W-10F1	Trel-wel/NE7	431/1 W-11Cl Josephine Dangle,	

See remarks
Monthly value estimated
Olyersion estimated for period indicated
No record for period indicated

TABLE 6 (Continued)
MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

				70				Amaun	Amount divarted, in acre-feet	1d, 1n 00	re-feet						
Olversion	Diversion name or awnsr	Use	measurement or estimole	abservation and calculation	Jan	Feb M	Mor Apr	or Moy	Jun	Juľ	Aug	Sept	Oct	» O	Dec	Tatal	Remorks
				LOWER SCOTT VALLEY SUBUNIT (Continued)	TT VALL	EY SUB	D) TINO	Sontinued	=								
20 48 20 00																	
4 N 1 M-11K1	Josephine Lengle, et al	lrrigation	150 feet below intake	Staff gage and depth-flow relationship				-	20° 195	87	40	23	19	7.7	-2	9777	
L. EE-WI, NF.	Jorephine Dangle, et al	Irrigation	200 feet below intake	Staff gage and depth-flow relationship			0	0	0	102	46	68	54	35	£	7	
43N-14-1431	John Fereira	Irrigation	U.2 mile below intake	Staff gage and depth-flow relationship	0 00 00 00 00 00 00 00 00 00 00 00 00 0	NR		-	χ° 65	יית י	92	36	25	52	28	5077	
43N 1.W-22P1	Cens Selby	Irrigation	0.3 mile below intake	Water-stage recorder and dopth-flow relationship	(291)	(134)		343	3 296	239	175	100	91	154	202	1,600	625)
11,14 M-22G1	Wilber nd Grace Hullquiat .coy E. Mason	Irrigation, stock-	100 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	19 34		-	0	0	0	0	7.6	
LLN/74-72N.	John Crechriou	Irrigation	300 feet below intake	Staff gage and depth-flow relationship	0	0	0	0 127	59 22	98	옸	12	12	0	0	3444	
444N 194-28H1	Aron Fincher	Irrigation	At intake	Staff gage and depth-flow relationship	0	0	0	77	4.8 13	33	77	0	0	0	0	112	
177W 94-31C1	, W. Hirdwell	Irrigation	At pump	Aunp test and hourseof operation	0	0	0	0	15 24	2	53	17	0	0	0	109	
14.8/-W-31D1	C. W. Birdwell	Irrigation	At pump	Pump test and power records	0	0	0	2	0 0	33	33		9		٥	979	
445/104-21J1	James Forstlick	Irrigation	500 feet bulow intake	Staff gage and depth-flow relationship	0	?	2	77	77 ₀ 07	31	2	7	60	0	0	111	
44.9/10M-22.81	Warren Lytle Travio Smith	Irrigation	50 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	26 18	3 11	100	N	-2	4	Э	23	
44.8/1 w-24.81	works tilly	Irrigation	At intake	Staff Mage and depth-flow	0	0	0	0	28 21	1 15	6	4	6	90	0	976	
ULN/1-M-25C1	Merra Bruce	Irrigation	100 feet below intake	Staff Page and depth-flow relationship	0	0	0		77 0	33	4.2	35			?	133	
144/104-25F1	Maria bruce Toziar Brothere	Irrigation	At intake	Staff gage and depth-flow relationship	0	0	0	8	305 224	196	155	93	c		2	973	

See remarks
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 Oversion estimated for period indicated
 NR-- No record for period indicated

-96-

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN SHASTA-SCOTT VALLEYS HYOROGRAPHIC UNIT, 1958 TABLE 6 (Continued)

			Point of	Method of					-	The same of the same of							
Diversion	Diversion nome or owner	Use	measurement or estimate	observotion and	Jon	Feb	Mor Apr	r Moy	200	lu C	Aug	Sept	000	ò	Dec	Totol	Remarks
				LOWER SCOTT VALLEY SUBUNIT (Continued)	TT VALL	EY SUBI	LINC LINC	ontinued	_								
1465 A 26M1	dornes years.	irrivation	JO fent helem intake	Staff gage and dapth-flow relationship		2	0	2	0 18	102	62	0	0	0	0	193	
HL -Pr NY"	Garren Lythe Frav o Smith	Irripation	At pump	Estimated	0	2	0	0	0	i	8	0	9	0	0	10	
26681184 73.1	Canny Learson	101311111	At pump	Nump toot and hours of operation	0	0	0	0	7 8	CT 8	₩	20	2	0	0	1116	
(4211 W 711)	any Featron	Irrigation, domestic	At intake	Staff page and depth-flow relationship	0	9	0	0	22 13	22	19	6	0	~	0	7.8	
1626 W. 11 200 18,5,1	s urton	Irrigation	250 fest below intuke	Staff page and depth-flow relationship	٥	0	0	0 100	69 0	65 (33	13	16	18	92	356	
64N/17W 15C	Huggel Lurton	Irrightion	300 feet terling intake	Staff page and depth-flow relationship	0	0	0	0	0	0	138	181	196	108	0	623	
458 w. 1 N97	Totale Erothers	Trelyati m	5) fret belek intake	Staff gage and ingth-flow relationship.	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	NR	a dia dipole dia dipole per me	2	79 12	2 187	£	34.2	777	0	0	813	
146N/119N~ 1511	Henry Chester Tosler Hothers	Irrigation	30 Feet below intake	Staff gage and depth-flow relationship			politic dis-dir-dir-m, un un un un	- 119	6 167	1777	5.76	398	87	0	0	1,740	
448/10W BP2	to burnell Burton Fd Burton Cuney Fearson	îrrigation	300 foot below intake	Staff gage and dejch-flow relationship	9	0	0	0	96 9	5 258	121	6	6.3	Э	0	5236	
					McADAM CREEK		SUBUNIT	-									
P W W	et T. avidson Star Gueh, Inc.	Irrivation	32) fret below intake	Water-stage recorder and depth-flow relationship		0	0	0 782	2 64,6	3 256	**	Ω	0	٥	0	1,719	
4 1 10/1 15/97	und) er e	Irrigation	75 fait belim Intake	Staff gage and impth-flow relationship		9	0	0 1	17	90			0	0	0	€	
eath M	Verified Stray	Irrivation	(1) frat balow intukn	Staff paye and dopth-flow relationship			0 0 0 0 0		72	12.	39	59	1.7	0	0	367	

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 Monthly adule stimpled
 Diversion estimpled for period indicated
 NR No record for period indicated

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

Design nome of estimate of est				0	N CHAPTER N				Amour	of divart	ed, in o	Amount divarted, in ocre-feet						
Nethols Erigation Spring bitter Spring	Diversion	Divarsion nome of Owner	Use	maosurement or estimate	observotion and							Aug	Sept	000	» O N		Total	Ramorka
					MCADAN	CREEK	SUBUR	4IT (Con	fraued)									
	N 2 H C																	
No.	/-W-13M1	Searge Milney	Irigation	30 fret below intake	Staff gage and depth-flow relationship	0	0	0					70	9	vs.	0	23%	
Part March Part	/-W-13N1	Hugh W. Aderholt	Irrigation	150 feet below intake	Staff gage and dopth-flow relationship		NH-	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	6			36	0	0	0	0	302	
Page 1, Tibbe Irrigation 150 feat below intake Saff page and O O O O O O O O O	AF-co.Dl	Hugh W. Azerholt	Irrigation	At intake	Staff gage and dopth-flow relationship	0	0	0				0	0	0	0	0	233	
	94-24P1	Jess L. Tibbs	Irrigation	150 feet below intake	Staff gage and dopth-flow relationship	0	0	0				~	0	0	0	0	8	
Hardid L., Irrigation 3.1 mile below intake Saff gage and bonnia Charles and Bonnia Irrigation 150 feet below intake Staff gage and bonnia Irrigation 150 feet below intake Staff gage and bonnia Staff gage and bonnia Irrigation 150 feet below intake 150 feet below intake 150 feet below intake 150 feet																		
H. L., Harold L., Irrigation 250 Feat below intake Staff gage and formal Charles and Bornia Charles and Bornia Staff gage and depth-flow Charles and Bornia Charles and Bornia Staff gage and depth-flow Charles and Bornia Charles and Bornia Staff gage and depth-flow Charles and Bornia Charles and Bornia Staff gage and depth-flow Charles and Bornia Charles and Bornia Staff gage and depth-flow Charles and Bornia Charles and Bornia Staff gage and depth-flow Charles and Bornia Charles and Bornia Charles and Bornia Staff gage and depth-flow Charles and Bornia Cha					ž	DFFETT	CREEK	SUBUNIT										
Fred Creamer Irrigation 250 feet below intake Staff gags and red by the control of the c	/7w-18C1	M. L., Harold L., Charles and Bonnie Cramer		0.1 mile below intake	Staff gage and depth-flow relationship	0	0	0					3	0	0	0	159	
H. L., Marold L., Irrigation Staff gage and Common Commo	/ PM-2X1	Fred Cramer	Irrigation	250 feat below intake	Staff gage and depth-flow relationship	0	0	0					0	0	0	0	901	
H. L., Harold L., Graffe and Bonnie Graffel and Bonnie Grammer and	/PM-12X1	M. L., Marold L., Charles and Bonnle Cramer		50 feet below intake	Staff gage and dopth-flow relationship		KN		1				9	9	2	6	\$	
H. L., Harold L., Charles and Bonnie Cremer Cremer Irrigation 100 feet below intake Staff gage and 0 0 0 0 21 24 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	/PM-13G1	M. L., Marold L., Charles and Bounis Cramer		150 feet below intako	Staff gage and depth-flow relationship	0	0	0	0				0	0	0	0	27	
tred Crampr Irrigation 100 Foot below intake Staff gage and 0 0 0 0 64 20 9 6 0 0 0 0 0 depth-flow relationship	RM-1332	M. L., Harold L., Charles and Bonnie Cremer		150 feet below intake	Staff gage and depth-flow relationship	0	0	0					0	0	0	0	577	
	124-36M	Fred Craser	Irrigation	100 feet below intake	Staff gage and depth-flow relatiobahip	0	0	0					0	0	0	0	\$	

See remarks
 Monthy value estimated
 Oversision estimated to period indicated
NR-- No record for period indicated

-98-

TABLE 6 (Continued)
MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

Defection Defection Defection Out		* n	meosurement or estimote	observation and								-					
Edson-Foulke Yreka Irrigation, stock- Ditch Company Just				COICUIDION			Mor Apr	or Moy	Jun	Jul	Aug	Sept	000	» o N	Dec	Total	Remorks
Edson-Foulke Treke Ditch Company John V. Welson Jeabrila G. More Irrigation, stock- John V. Welson Jirigation, stock- John V. Welson John V. Welson Jirigation, stock- John V. Welson John V. Welson Jirigation, stock- John V. Welson John				- a	ARKS CR	FEK SU	BUNIT										
Edeno-Foulte Treke Littigation, stock- Ditch Company Lous V. Nelson Lirigation, stock- Ditch Company Lous V. Nelson Lirigation, stock- Lous V. Nelson Lous V. Nelson Lous V. Nelson Lous V. Nelson Lirigation, stock- Lous V. Nelson Lous V. Nelson Lirigation, stock- Lous V. Nelson Lous V. Nelson Lous V. Nelson Lous V. Nelson Lirigation, stock- Lous V. Nelson Lous V. Nelson Lous V. Nelson Marting L. Louson Lous V. Nelson Lous V. Nelson Lous V. Nelson Lirigation, stock- Lous V. Nelson Lous V. Nelson Lous V. Nelson Marting L. Louson Lous V. Nelson Lous V. Nelson Lous V. Nelson Lous V. Nelson Lirigation, stock- Lous V. Nelson Marting L. Louson Lous V. Nelson Lirigation, stock- Lous V. Nelson Lous V. Nelson Lirigation, stock- Lous L. Louson Lous V. Nelson Mantague V. Nelson Lous V. Nelson Lirigation, stock- Lous L. Louson Lous V. Nelson Mantague V. Nelson Lous V. Nelson Lirigation, stock- Lous V. Nelson Lous V. Nelson Lirigation, stock- Lous V. Nelson Lirigation Lous V. Nelson Lo																	
Joan V. Melson Irrigation, stock- So feet below intake Staff gage and depth-flow relationship			U.2 mile below intake	Staff gage and depth-flow relationship	0	0	997 0		2,360 1,176	632	236	7/6	63	141	237	5,389	
Cus V. Nelson Irrigation, stock- 60 feet below intake Staff gage and depth-flow relationship Cus V. Nelson Irrigation, stock- 30 feet below intake Staff gage and depth-flow relationship Cus V. Nelson Irrigation, stock- 30 feet below intake Staff gage and depth-flow watering Irrigation, stock- 30 feet below intake Staff gage and depth-flow watering irrigation, stock- 500 feet below intake Staff gage and watering irrigation, stock- 160 feet below intake Staff gage and watering watering irrigation, stock- 160 feet below intake Staff gage and watering watering irrigation, stock- 160 feet below intake Staff gage and watering watering on irrigation stock- 160 feet below intake Staff gage and watering watering irrigation of interpretation irrigation of interpretation irrigation irrigation irrigation of interpretation irrigation irrigation of interpretation irrigation irrigation of interpretation irrigation irrigation irrigation of interpretation irrigation irrigation irrigation irrigation irrigation irrigation irrigation irrigation of interpretation irrigation irriga	Nelson		150 feet below intake	Staff gage and depth-flow relationship	0	0	0	3	94, 263	291	286.2	172	169	65	0	1,313	
Cas V. Nelson Irrigation, stock- 60 feet below intake depth-flow relationship by Nelson Irrigation stock- 30 feet below intake 3saff gage and depth-flow relationship cas V. Nelson Irrigation, stock- 30 feet below intake 3saff gage and depth-flow relationship cas V. Nelson Irrigation, stock- 30 feet below intake 3saff gage and depth-flow relationship cas V. Nelson Irrigation, stock- 30 feet below intake 3saff gage and depth-flow natering and cas V. Nelson Irrigation, stock- 160 feet below intake 3saff gage and depth-flow relationship cas V. Nelson Irrigation, stock- 160 feet below intake 3saff gage and natering and natering stock- 160 feet below intake 3saff gage and natering and natering and natering and natering stock- 110 feet below intake 3saff gage and depth-flow natering and natering irrigation stock- 0.1 mile below intake 3saff gage and capth-flow factor of the stock of		ation	1	Estimated	0	0	0	0		0	0	0	0	0	0	9	
Cas V. Nelson Irrigation stock- 20 feet below intake depth-flow relationship by Harry Mobertson Irrigation, stock- 30 feet below intake depth-flow relationship Harry Mobertson Irrigation, stock- 30 feet below intake depth-flow relationship Harry Mobertson Irrigation, stock- 500 feet below intake depth-flow relationship Harold A. and watering integrated intake depth-flow relationship Harold A. and watering integrated irrigation stock- 0.1 mile below intake Staff gage and watering watering irrigation on intake depth-flow relationship relationship irrigation is tock- 0.1 mile below intake depth-flow relationship irrigation intake irrigation on irrigation on irrigation is tock- 0.1 mile below intake depth-flow relationship irrigation irrigation on irrigation irrigation irrigation on irrigation ir	Nelson	ation, stock- ering	60 feet below intake	Staff gage and depth-flow relationship	0	0	0	17	09 06	0	0	0	0	0	0	167	
Cas V. Nelson Irrigation, stock- 20 feet below intake staff gage and vatering watering stock- 30 feet below intake staff gage and depth-flow watering stock- 30 feet below intake staff gage and depth-flow watering stock- 500 feet below intake staff gage and depth-flow watering stock- 160 feet below intake staff gage and depth-flow watering stock- 0.1 mile below intake staff gage and watering stock- 0.1 mile below intake staff gage and depth-flow watering stock- 0.1 mile below intake staff gage and depth-flow watering stock- 0.1 mile below intake staff gage and depth-flow farmie 1. Lemos watering stock- 0.1 mile below intake staff gage and depth-flow farmie 1. Lemos watering stock- 0.1 mile below intake staff gage and depth-flow farmie 1. Lemos watering stock- 0.1 mile below intake staff gage and depth-flow farmie 1. Lemos staff gage and depth-flow farmie 1. L	Nelson	ation	30 feet below intake	Staff gage and depth-flow relationship	0	0	0	75	62 14	0	0	0	0	0	0	11.8	
Harry Wobertson Irrigation, stock- 30 feet below intake depth-flow relationship watering watering stock- 500 feet below intake staff gage and depth-flow undersing irrigation, stock- 160 feet below intake Staff gage and depth-flow watering irrigation, stock- 0.1 mile below intake Staff gage and watering watering irrigation of mile below intake staff gage and watering watering irrigation of mile below intake staff gage and watering watering irrigation of mile below intake staff gage and depth-flow irrigation irrigation of mile below intake staff gage and watering watering irrigation of mile below intake staff gage and depth-flow irrigation irrigation irrigation of mile below intake staff gage and watering watering irrigation of mile below intake staff gage and depth-flow irrigation irrigation irrigation irrigation irrigation irrigationship	Nelson	ation, stock- ering	20 feet below intake	Staff gage and depth-flow relationship	0	0	0		38 22	90	25	98,2	166	15	0	561	
Harry Mobertson Irrigation, stock- 500 feet below intake depth-flow relationable beat in the depth-flow relationable beat watering stock- 160 feet below intake Staff gage and watering watering stock- 0.1 mile below intake staff gage and depth-flow watering watering stock- 0.1 mile below intake depth-flow relationship watering intigation 0.1 mile below intake staff gage and depth-flow watering watering intigation 0.1 mile below intake staff gage and depth-flow relationship intigation 0.1 mile below intake staff gage and depth-flow relationship intigation 0.1 mile below intake depth-flow relationship intigation 0.1 mile below intake depth-flow depth-flow relationship intigation intigation 0.1 mile below intake depth-flow relationship intigation intigation intake depth-flow relationship	V. Netson	ation, stock- ering	30 feet below intake	Staff gage and depth-flow relationship	di mana			2	38 39	13	н	0	0	0	0	128	
Martin W. and Irrigation, stock- 160 feet below intake Staff gage and depth-liow reducing stock- 1. It is depth-liow reducing stock- 0.1 mile below intake depth-flow depth-flow watering watering that is and watering irrigation 0.1 mile below intake Staff gage and depth-flow factor watering watering on irrigation 0.1 mile below intake Staff gage and depth-flow france is a staff gage and depth-flow relationship integration irrigation of integration of integration irrigation irrigation of integration of integratio			500 feet below intake	Staff gage and depth-flow relationship		*	!	17	63 78	2	23	7	12	13	12	375	
Harold A. and Harold A. and Hrigation, stock- 0.1 mile below intake Staff gage and depth-flow relationship Laura M. Little Harold A. and Harol	ttle		160 feet below intake	Staff gage and depth-flow relationship	0	0	0	60	235 135	102	119	177	112	57	0	966	
Harold A. and Irrigation 0.1 mile below intake Staff gage and Hinne L. Lemos Matchine House Hous	mos	ation, stock-	O.l mile below intake	Staff gage and depth-flow relationship	0	0	0	T Z	108 78°	r 113	57	H	139	\$2	0	679	
Montague Water Irrigation — Water-stage Conservation Gonservation depth-flow depth-flow relationship		ation	O.1 milo below intake	Steff gage and depth-flow relationship				20 20	262 103	72	69	69	31	90 77	07	626	
		य ० १ १ व	1	Water-stage recorder and depth-flow relationship	1,846 1	7078	0	0	0	0	0	0	0	0	0	3,250	Record obtained from Weter- master Service.
4.21/54-31.1 Isabella C. More Irrigation 100 feet below intake Staff gage and 0 0 depth-flow relationship		atlon	100 feet below intake	Staff gage and depth-flow	0	0	0	4	89 178	107	109	148	102	33	0	767	
4.23/64-2241 Errest bridgell Irrivation, stock- 200 fret briow intake Staff gage and depth-flow depth-flow relationship		ation, stock-	200 feet below intake	Staff gage and depth-flow relationship	no eno eno eno ele-dis-			26	83 78	1- 71	99	97	67	64	24	873	

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 Mohily value estimated
 Moversion estimated for period indicated
 No record for period indicated
 No record for period indicated

TABLE 6 (Continued)
MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

			0	New Post of			d	Amount diverted, in ocre-feet	liverfed,	In ocre	-feet						
Diversion	Diversion name of owner	Use	medsurement or estimote	observation and	Jon Fe	Feb Mar	Apr	Moy	Jun	lul	Aug	Sept C	Oct	Nov D	Dec Total	101	Remorks
-				SHAC	SHACKLEFORD CREEK SUBUNIT	CREEK SL	JBUNIT										
2°					(No diversions measured)	lons measur	(ped)										
					SOUTH FORK SUBUNIT	RK SUBU!	F 2										
14 W " 14 - 14 - 14 - 14 - 14 - 14 - 14 - 14	Alfonso	Irrıgation	1.8 miles below intake	Staff gage and depth-flow relationship	5	0	0	70°	77	59	35	52	10	100	100	263	
3 - 0 - R.	4. J Firm and Estnore Damesen	Irri ation, stock- watering	2) feet below intake	Staff gaye and depth-flow relationship	0	0	0	230	225	208	122	82	127	33	0 3,	1,027	
4 % 14m - 23	610 p. U.s.	Irrigation, stock- watering	O.1 mile below intake	Staff gage and depth-flow relationship	0		0	2	1	71	61	67	23	vn.	0	361	
4 1 18 381	. d. oullivan	Irrigation	20 feet below intake	Staff gage and depth-flow relationship			N. N. N. S.			252	166	181	148	77		1,427	
1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	ole, lyden	Irrigation, stock-	3.0) feet below intake	Staff gage and depth-flow relationship	0	0	0	130	124	777	130	173	21.9	1112	rî %	1,142 Kep	Memorted total includes an estimated 48 acre-feet that was spilled during October and November below the point of measurement.
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	. Kerzenyder	Irritation, stork-	0.8 mile bylow intake	Staff gare and depth-flow relationship	0	٥	0	160°		93	76	97	108	58	«^	682	
wally she wal	rocter	Irrigation, stock- watering, domestic,	400 feet bring intake	Staff gage and depth-flow relationship		NR-	F		110	92	2.6	26	83	133	1, 1,	1,356	
413/74- 1	H, Jyren and	Irrigation	500 fret bel w intake	Staff gage and depth-flow relationship			0	10	00	77	6	0	0	0	0	23	
				S	STEWART SPRINGS SUBUNIT	RINGS	UBUNIT										
41H/E4-151	worke and Anita Cabella Vanierbilt	Irrigation	4.0 feet below intake	Staff gage and depth-flow relationship	9	d I	10° 28	104	22	8	77%	29	16	7	100	758	
413/r a-2F1	horpe and Anta Jabella Vanderbilt	irrigation, stock- witering	20) fret below intake	Staff gage and depth-flow relationship		-	- 10	12	22	99	61	48	73	10	10	393	

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Manthly volue estimated
Diversion estimated for period indicated
No record for period indicated

TABLE 6 (CONTINUED)
MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYORGGRAPHIC UNIT, 1958

Irrigation, atock- Watering, Irrigation, atock- Watering, atock- Irrigation, atock- Watering, atock- Irrigation, atock- Irrigation, atock- Watering, atock- Irrigation, atock- Watering, atock- Irrigation, atock- Watering, atock- Irrigation, atock- Watering, atock- Watering, atock- Irrigation, atock- Watering, atock- Watering			Point of	Mathod				Am	Amount divarted, in ocre-fast	arted, in	ocre-	feet						
	P	Use	medsurament or estimote	absarvation ond colculation	Jon													marks
					WEED		Ė											
Firefaction, stock- 10 feet tello- linke																		
	Paper	Irrigation, atock- watering	10 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	0	13	7/4	39	16		9:		21%	
Industrial	fic	Irrigation, domestic	At pump	Pump test and power records	٦	2	-	٦	9	N	6	~	-	CV.	7	-	ব	
	Paper	Industrial	At intake	batimated	Control of the contro		made on washe on the			*	Pomostic stiridas associas das e					2,5	000	
	1 Paper	Irrigation, stock-	150 feet below intake	Staff Rage and depth-flow relationship	0	0	0	90	17	10	65	63	52	×^	7		961	
Irrigation, stock-	1 Paper	Irrigation, atock-	150 feet below intake	Staff gage and depth-flow relationship	0	0	0	18	31	28	23	31	38		94		642	
	Pate Salanti	Irrigation, stock-	200 feet below intake	Staff gage and depth-flow relationship	0	0	0	97	66		113	26	85		3		₽	ed intiudes 281 iverted into ditch 9.
	al Paper	Recreation	At pump	Pump test and power records	0	0	0	-	56	24,	27	31	8		0		137	
Irrigation, stock-	Mike Belcastro	irigation, stock-	1	botimated	0	0	0	0	# / / / / / / / / / / / / / / / / / / /		0	0	0		0	0		
Irrigation, atock-	Flowd Barnum, William H. King, John L. and Lillian M. Mazzini		100 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	~	174		717			9		59.8	
Irrigation, atock-	Stuart Harmond	Irrigation, stock- watering, domestic	50 feet below intake	Letimated						20		And the second second second			and the state of t	ı.	08	
Irrigation 100 feet below intake Staff gage and depth-flow 101 133 142 130 137 139 133 0 0 0 0 0 0 0 0 0	Stuart Hamsond	irrigation, stock-	. 50 feet below intake	Lotinated	or or one assume we		0.00									1	10	
Irrigation, stock- 30 feet below intake Staff gage and depth-flow relationship O 0 0 26 54 26 54 44 33 45 2, 30°	Adght Remond	lrigation	100 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	101			130			æ		206	
Irrigation, stock- At intake	Flea Connolly	irrigation, stock-	30 feet below intake	Staff gage and depth-flow relationship	0	0	0	99	77	49	775	7	33		25		336	
	Edson-Foulke Treks Ditch Company	Irrigation, stock- watering	At intake	Water-stage recorder and depth-flow reletionship	0	0	0		1,480	548 1,	679 1,1						72.0	

See remarks
 Monthy value estimated
 Diversion estimated for period indicated
 Ne -- No record for period indicated
 Ne -- No record for period indicated

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958 TABLE 6 (Continued)

	Remarks																
	Totol			8	83	361	236	291	362	833	97999	371	1,760	1,040	959	510	897
	Dec			110	87	0	07	0	8	077	10	0	0		0	0	0
	× 0			85	917	~	88	5	25	130	07	0	~	9	0	0	0
	000			0	2	69	17	67	34	11.7	67		177		0	0	0
	Sept			0	\$	75	8	97	077	110	45	77	98		8	35	23
a-feet	Aug			16	59	8	39	89 78	15	122	43	3	181		64	D,0	62
יח סכינ	Jul			22	30	50	√	-J	59	16	29	23	789	+	14.5	184	997
verted,	Jun			0	77	37	4.1	977	2	121	152	96	354		155	99	377.0
Amount diverted, in acre-feet	Moy			0	88	07	97	35	99	82	188	128	537		216	23	0
An	Apr	÷		0	~	69	0	77	17	7	30	0	60 60		33	12	0
	Mos	onfine		0	0	9	0	0	10	0		0	0		0	0	0
	Feb) TINI		0	0	0	0	0	0	0		0	0		0	0	0
	Jan	WEED SUBUNIT (Continued)		0	0	0	0	0	0	0	0 0 0	0	0	# # # # # # # # # # # # # # # # # # #	0	0	0
Method of	observation and colculation	W EE		Staff gage and depth-flow relationship	Staff gage and depth_flow relationship	Staff gege and depth-flow relationship	Steff gage and depth-flow relationship	Staff gage and depth-flow relationship	Staff gage and depth-flow relationship	Estimated	Staff gage and depth-flow relationship	Staff gage and depth-flow relationship	Staff pape and depth-flow relationship				
Point of	measurement or estimote			30 feet below intake	120 feet below intake	120 feet below intake	150 feet below intake	150 feet below intake	100 feet below intake	100 feet below intake	100 feet below intake	60 feet below intake	20 feet below intake	* *	200 feet below intake	80 feet below intake	100 feet below intake
	Use			Irrigation	Irrigation, atock-	Irrigation, stock-	Irrigation, stock-	lrrigation	Irrigation, stock-	Irrigation	Irrigation	lrrigation, stock- watering	Irrigation	Pover, domestic, stockwatering	Irrigation, stock-watering	Irrigation	Irrigation
	Diversion nome or owner			uwight Harmond	Elzer H. and Inez Mary Meline	Elmer M. and Inez Mary Meline	Elmer H. and Inez Mary Meline	Elmer H. and Inez Mary Weline	brank and Maria Howito	Cwight Hamond	₩ight Harmond	Certraite Crechriou	iwight and Stuart Ha-mond	Ellen Dupper	Homer Murphy	Delight Hammond	Dwight Harmond
	Locotion		H D 8 4 M	77N cm-9P2	_15/5#-11A1	41N '5'n-12Cl	41M/5m-12C2	6.5/ch-12D1	41N/54-12N1	414/54-1601	41N/5n-16Q1	13/2K-17F1	4,1N/5W-17F2	413/54-1783	41N/5W-21A1	41N/5W-21A2	4,1M/5m-21C1

See remorks
Monthly volue estimoted
Diversion setimoted for period indicated
No record for period indicated

TABLE 6 (CONTINUED)
MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

			4000	Mathod				Amoun	f diveri	ed, 10 0	Amount diverted, in ocre-feet						
Diversion Diver	Diversion nome or owner	Use	measurement or estimate	observation and	Jan Feb	Mor	ır Apr	Moy	Jun	lu C	Aug	Sept	000	Nov	Dec	Total	Remarks
				WEE	WEED SUBUNIT (Continued)	(Confi	(penu										
LIN/SH-21L1 LALPht	wight Hamond	Irrigation	100 feet below intake	Staff gage and depth-flow relationship	0	0	0		10 337	581	599	212	~	0	0	1,440	
424/54-21N1 trrest a	Spada sod stosina	Irrigation, stock- watering	50 fret below intake	Staff gage and depth-flow relationship	0	106	68 9	138	7777	130	79	77	ਕੋ	6	100	1,159	
4 % / Six-21 J Simula	C, Jackson	irrigation, stock-	At intake	Staff gage and depth-flow relationship	0	0	0	41	\$	37	77	35	30°	0	٥	236	
4,241,48-2211 Darum	oaruvi C. Jackson	irripation, stock- watering	100 feet below intake	Staff gage and depth-flow relationship	0	0	9	70	0 81	10	58	108	×	0	0	367	
424/54-22il Samuel	C. Jackson	lreigation, stock-	de ap	betimated												9	
4.2N/5W-221tl Samel	bannel C. Jackson	Irrigation, stock-	O.2 mile below intake	Staff gage and depth-flow relationship		9	63 444	89	100	89	120	98	299	07	07	715	
* * * * * * * * * * * * * * * * * * *	How	irri ation	30 feet below intake	Staff gege and depth-flow relationship	*	1	10° 15		3 15	13	11	7	60	60	10	124	
ANANAZSNI N. L. a	M. L. and Louise C. Vidrickson	Irrigation	aplicate	Estimated	0	0	0			+				0	0	S.	
42N/54-25N2 H. L. B	H. L. and Luise G. Vidrickson	Irrigation	ı	Estimated	0	0	0	0		1		į		0	0	10	
4-N/54-25Pl Mike Be H. L. a Vidri	Mike Belcastro H. L. and Louise C. Vidrickson	lrrigation, stock- watering	500 fort balow intake	Staff gage and depth-flow relationship	0	0	0	0 38	25	17	29	12	38	16	0	187	
42N/54-25P2 A. B. F. H. L. A. Vldri	A. B. Hoy H. L. And Louise C. Vidrickson	Irrigation, stock-	300 feet below intake	Staff Rage and depth-flow relationship	*	1	66 61	79	1 80	96 (78	99	29	35	£	758	
42N/5W-2681 A. B. F	Ноу	Irrigation	At intake	Staff gage and depth-flow relationship	0	0	0	0 23	7 35	82	4	ep	19	0	0	116	
42N/5n-26FL A. B. F	Ноу	Irrigation, stock-	O.1 mile below intake	Staff gage and depth-flow relationship	0	0	0	0	32 45	5 15	6	22	28	~	0	158	
4.2N/5#-26H1 A. B. Hoy	Ноу	Irrigation	250 feet below intake	Staff gage and depth-flow relationship	‡ !	1	79 36	9	1 102	2 22	73	٤	31	18	ිස	612	

See remorks Monthly volue estimated Oiversion estimated for period indicated No record for period indicated

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958 TABLE 6 (Continued)

			Point	M poddie				Amount diverted, in ocre-feet	diverted	, in ocr	e-feet						
Diversion	Diversion name or owner	Use	measurement or estimate	observotion and	Jon	Feb Mar	Apr	Moy	Jun	Jul	Aug	Sept	Oct N	Nov	Dec Total		Remarks
				*	WEED SUBUN	SUBUNIT (Continued)	nued)										
N D B & M	Samuel C. Jackson	Irfkation, stock.	1	Sstimated							0 0 0 0 0	0 0 0 0				160	
28 50-27 LZ	carael C. Jarkson	Irri ation, stock- watering	ĝ.	Estimated	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 8 8 8 4 6			2	8 8 8 1	0 0 0 0	0 0 1 3 4 0	D	6 6 8 8	ļ	07	
28 -7 127	Jenest and Mosina Spada Lewence E, and Myrtle P. Sullivan	Irigation	430 feet below intake	Staff gayo and depth-flow relationshi-	0	0	0	19	Ci.	12	90	6	2	0	0	9.	
42% SH-42% E	brownt and Mosina Spada	Irrigation, stock-	20 feet below intake	Staff gare and depth-flow relationship	0	0	0	36	54	5/4	53	all	2	19	*R	345	
1,235/5m-2983 F	Frank Alexander Ailliam Wellons	Irrigation, stock-),8 mile below intake	Staff gage and depth-flow relationship	0. 0. 0. 0.	30	60° 57	83	103	98	67	37	88 77	79	°2	517	
u.s.//94-2852 1	Lawrence b. And Myrile F. Sullivan	irrigation, stock-	60 feet below intake	Staff gage and depth-flow relationship	0	0	0	777	96	120	103	99	07	0	0	472	
4.21 m-28h1 A	A, w. and Alma Meal	Irrigation	60 feet below intake	Staff gage and depth-flow relationship	0	0	0	775	63	97	38	য	55	0	0	273	
2N/5m-28K2	Lawrence E. and Pyrtle P. Sullivan	Irrigation, stock- Watering	60 feet below intake	Staff page and depth-flow relationship	0	0	0	0	23	-7	22	38	90	93	27	255	
42N/ n-28P1	A, A, and Alma Neal	Irrigation	At intake	Staff gaye and depth-flow relationship	0	0	0	250	453	136	187	33	388	0	0 1,	1,497	
1,2N/ 48-1 S	Samuel C. Jackson	Irrigation, stock- watering	2) feet below intake	Staff gage and depth-flow relationship	0	0	0	20	67	17	13	19	0	0	0	190	
42N/5n-28H1	Samual C. Jackson	Irrigation, stork-	60 fret below intake	Staff page and depth-flow relationship	0	0	0	200	252	293	255	227	133	56		1,421	
4,23V/54-29A1	urnest and Mosina Spada	Irrigation, stock- watering	100 fest below intake	Staff gare and depth-flow relationship	0	9	0	54	91	141	32	65	77	31	8	567	
12%/5%-33C1	A. e. and Arra Beal	Irigation	W. fert below intake	Staff gage and depth-flow relationship	0	2	0 25	292	222	14,5	123	141	218	7.6	0	1,210	
424/54-3362	.mrst.b. and Lorothy W. Solus	irrigatic, stock- watering	50 fmet below intake	Staff gage and depth-flow relationship	0	0	0	7	16	51	22,	7	0	ď	0	777	

See remains
Monthly value estimated
Oversion estimated for period indicated
No record for period indicated

-104-

TABLE 6 (Continued)
MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
SMASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

			Point of	Method of				Amo	Amount diverted, in ocre-feet	red, in	ocre-fe	14					
Locotion	Diversion name or owner	Use	measurement or estimate	observation and	Jon F	Feb M	Mor A	Apr Mo	Moy Jun	lul n	Aug	Sept	000	» O	Dec	Totol	Remorks
				**	WEED SUBUNIT (Continued)	NIT (Co	ntinued										
N D B & X																	
42N/S#-33K1	Harry Lemos A. W. and Alma Neal Laverne K. Mucker Ernest E. and Dorothy N. Solus	Irrigation	200 feet below intake	Staff gage and depth-flow relationship	0 0 0 0 0 0	***		186 4	447 431	31 252	2 336	6 232	27,8	5	BO	2,519	
42N/5W-33K2	Harry Lemos	Irrigation, stock-	100 feet below intake	Staff gage and depth-flow relationship	0	0	0	0	53 4	4,1	0 120	0 215	w	^	0	767	
428/5W-331.1	Harry Lemos Ernest E. and Dorothy N. Solus	Irrigation, stock-	200 feet below intake	Staff Rake and depth-flow relationship	0	0	0	0	21 13	137 6	6.2 5	54 22	-	0	0	297	
428/5W-35A1	Mikw Delcantro	Irrigation, stock-	data-p	Estimated	0	0	0	0		0 0 0 0 0	***		0 0 0 0 0 0	2	0	7 730	
2N/5W-35E1	42N/5W-35El Mike Belcastro	Irrigation, stock-watering, domestic	1	Eetimated						4		0 0 0 0 0	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		6 0 0 0	07	
,28/sw-3681	42N/4W-36Bl Mike Belcastro	Irrigation, stock- watering	50 feet below intake	Staff gage and depth-flow	0	0	0	0	22 3	39 64		56 83	8	R	~	372	
ZN /54-36HL	4.2N/5W-36Ml Gecilo Carrick Grooks Mae Carrick Gody	Irrigation, atock-	350 fret below intake	Staff gage and depth-flow relationship	1	1	109	124 1	14.2 12	127 110	0 119	9 117	91	95	112	1,346	
42N/5W-36H2	Roper Swanziger	Irrigation, stock-	300 feet below intake	Staff gage and depth-flow relationship	an up on on on		nd tec on	95)	183 17	177 192	2 181	1 165	105	%	906	1,547	
.N/5W-36H1	4.3/54-36Ml John M. Linville	Irrigation, stock-	10 frat below intake	Staff gage and depth-flow relationship	0	0	0	0	0	2	7	3	0	0	0	11	
ZN/5M-36M2	628/5W-36M2 John H. Linville	Irrigation, stock- watering	lo feet below intake	Staff gage and depth-flow relationship		0	0	0	~	3	18 3	32 12	0	၁	С	72	
				5	WILLOW CREEK SUBUNIT	REEK	SUBURI	-								· =-	
42H/6W-19A1	Jan Shelley	Irrigation	430 feet below intake	Staff gage and dopth-flow	0	0	0	0	273 24	24.1 188	8 154	146	95	200	69	1,286	
12H/6K-19G1	4.33/6#.1901 Kathryn Heinsen	Irrigation	10 fret below intake	Staff gage and dopth-flow relationship	0	0	2	25	93	55 2	23 , 1	9 01	13	27.0	2	252	

See remarks
Monthly value estimated
Oversion estimated for period indicated
No record for period indicated

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

	Remorks													Source dry 7/16/58.		Source dry 8/26/58.	
	Total			25	294	573	364	121	25	0	1		10	501	19	168	11
	Dec			Э	0	0	0	0	0	0	0			0	0	0	0
	> 0 N			0	2	N	c-	0	0	0	0			0	0	0	0
	000			0	7	9	2	0	0	0	П			0	0	0	0
	Sept			0	Ä	\mathcal{D}	22	12	0	0	N		de de com	0	0	0	11
-fast	Aug			0	55	077	4,1	ನ	P	0	N			0	0	25	36
Amount diverted, in ocre-feet	lot			0	07	799	5.1	35		~	CV			~	0	35	67
verled,	Jun			12	57	52	73	25		-3	N			17	10	25	13
nount d	May	(p		36	68	8	136	28	0	~	~		9 10 10 10 10 10 10 10 10 10 10 10 10 10	32	0	59	·^
An	Apr	onthro		9	35	777	15	0		0	0	E Z	1	53	√	77	~
	ě) LN		0	0	0	0	٥	0	0	0	SUBUNIT	0 0 7	C	0	C	0
	Feb	SUBUS		0	0	0	0	0	0	0	0	CREEK	0 0	0	0	0	0
	not	CREEK		0	0	0	0	0	0	0	0	YREKA CREEK	9 8 6 8	0	0	0	0
Method of	observotion and colculation	WILLOW CREEK SUBUNIT (Continued)		Staff gage and depth-flow relationship	- ' -	Estimated	Staff gage and depth-flow relationship	Staff gage and depth-flow relationship	Staff gage and depth-flow relationship	Staff page and depth-flow relationship							
Point of	meosurement or estimote			30 feet below intake	1) fret below intake	10 feet below intake	50 feet below intake	500 feet below intake	20 feet below intake	At intake	50 feet below intake		I	20 feet below intake	30 feet below intake	200 feet below intake	100 feet below intake
	Use			Irribation	Irrigation	Irrigation	Irrigation	Irrigation	Irrigation	Irrigation, stock-	Irrigation		Industrial, domestic	Irrigation, stock-	Irrigation, stock- watering	Irrigation, stock-	Irrigation, stock- watering, racrea- tion
0.00	Diversion name of Owner			Kathryn Heinden	Pathryn Heinsen	hathrym Heinsen	Aathryn Heinsen	Werthode Crechricus	berths A. Amburn	Menenhall Brothers	Menenhall Brothers		Shastalite Block Company	Ernest and Zelma	B. Flock	Ernest and Zelma Walter	Sen Brazie
	Locotion		H 2 9 4 H	w 2N €=-19.22	4.2N/6#-1983	4.2N/64-19E2	4.2N En-3081	4.05,78-24.HI	4.28/78-2501	43N/74-1J1	438/74-192		246-M7W-3H2	D16-ML/N777	17N/W-10F1	177/7W-10H1	17N/74-11F1

Sae remonts
 Monthly volue estimated
 Diversion estimated for period indicated
 NR -- No record for period indicated

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958 TABLE 6 (Continued)

			90	N Contract				Ama	Amount diverted, in ocre-feet	rted, in	ocre-fe	4					
Divarsion	Divarsion noma or owner	Usa	measurement or estimote	observotion and	Jon	Feb	Mor A	Apr M	May Jun	n Jul	l Aug	g Sept	of Det	Nov	Dec	Totol	Remarks
				YREKA	YREKA CREEK SUBUNIT (Continued)	SUBUN	IIT (Con	(fined)									
A D B & M																	
45N/7W-3KI	Joseph Lessos	lrri ation, atock- watering, mining	0.1 mile below intake	Staff gage and depth-flow relationship	٥	0	0	0	0	7	-	0	0	0	0	^	
45N/7W-9J1	Normond t. strand	lrigation, atock-	0.2 mile below intake	Staff gage and depth-flow Felationship	0	0	0	0	30	おお		~ .	0	0	0	ଅଧି	Source dry 8/26/58.
45N/7m-10R1	C. b. Edrirass	Irrigation, stock-	300 feet below intuke	Staff gag: and depth-flow relationship		N.B.		°99	२	97	60	~	2	2	~	146	
45%/78-21F1	wrald Lange	Irrigation, stock- watering	30 fret trilow intuko	Staff Make and dapth-flow relationship	0	0	0	0	20	п	o	ч	7	H	0	31	Source dry 11/23/58.
4511/74-21:1	braid Lange	Irrigation, stock-	At Intake	Staff gage and depth-flow relationship	0	0	0	29	23	7	3	~	2 0	0	0	77*	. Source dry 10/10/58.
45N/7M-2231	C Ly of Treks	Municipal, recreation	ì	batizated	0			0	2		*	0 0 0 0		0	0	9	
1-2301	45N/74-2301 tity of Yr*ka	Muntefpal	At pumps	nump test and power records	77	6	9	91	38	38	86 10	101 6	69 52	3%	%	187	
14.31	45%/7%-23£1	irri, at ion	At pumps	Mus test and power records	0	0	0	0	5	-	25	tc	3 6	rd .	0	67	
45N/74-29L2	Josephine Brown B. M. Culp Larum Payno Albert Tebbe	Lritgation	100 feet below intake	Staff gage end depth-flow relationship	0	0	0	55	82	75 1	48	9	0	0	0	266	
45%/74-301E	Bob E. Lodson	lrr: stion, stock- waterin;, domestic	At intake	Staff paper and depth-flow relationship		0	0	0	5	6	m	0	2	0	0	31	Source dry 7/16/58.
458"4 341	ity of Yroka	Punicipal, friustria.	dumd ju	Fump that and journ frounds	2	П	ed	22	90 27	32	2	22	12 13	15	25	561	
458 70-14 1	Mrs. Glen Hill	Irriatin, stock-	ę 0	pertury ed		0	0							0	0	10	
	₩ 9	intering ', ''''	ו. חבאה ש	itaff gare and depth-flow relationship	Э	٦							22 23	3 16	6	2	

See remonts
 Manhly volume estimated
 w Oureston estimated for period indicated
 N No record for period indicated



Department
of Water
Resources
Gaging Statio
"Etna Creek
Near Etna"



Watermaster, Measuring Fl in Shasta Valley

Index to Surface Water Diversions

An alphabetical index of diversion names and owners is provided at the end of this chapter in Table 7. This table gives the diversion location number, the subunit, and references to the sheet number of Plate 2 and page numbers where pertinent data appear.

Imports and Exports

Surface water was imported to the Shasta-Scott Valleys
Hydrographic Unit through the Hammond North Fork Ditch (41N/5W-34Ll,
point of entry into Shasta-Scott Valleys Hydrographic Unit) from
the Shasta Lake Hydrographic Unit. A total of 1,558 acre-feet
was imported during 1958. No surface water was exported from
the unit.

Consumptive Use

Consumptive use of water is defined as water consumed by vegetative growth in transpiration and building of plant tissue, and by water evaporated from adjacent soil, from water surface, and from foliage. It also includes water similarly consumed and evaporated by urban and nonvegetative types of land use.

In the Shasta-Scott Valleys Hydrographic Unit, the largest consumptive use of applied water is for irrigated agriculture. Based on land use surveys presented in this bulletin, and on the unit consumptive use values given in Department of Water Resources Bulletin No. 83, "Klamath River

Basin Investigation", the total consumptive use of applied water during 1958 is estimated to have been 42,820 acre-feet, of which 39,430 acre-feet were used for irrigated agriculture, 1,760 acre-feet for domestic and municipal purposes, and 1,630 acre-feet for industrial purposes in the production of lumber, plywood, and other wood products. The consumptive use of water involved in the production of power and for mining purposes is negligible and consists primarily of evaporation from canal surfaces.

Significant increases in the unit consumptive use values are indicated on the basis of research now underway in the Department. Revision of the above estimates are not considered to be warranted until these studies are completed and the new values adopted. As a later phase of this investigation, estimates of future water requirements will be made utilizing the new values.

TABLE 7
INDEX TO SURFACE WATER DIVERSIONS
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion name	Diversion	Cubusit		eferences
or owner	location	Subunit	Plate 2 Sheet No.	Text and appendixes Page No.
Aderholt, Hugh W.	կկո/9w-13n1 կկո/9w-2կD1	McAdam Creek McAdam Creek	74	60, 98, 159 60, 98, 159
Aker, Henry and May	41N/9W-28C1	Callahan	13	30, 83, 139
Alexander, Frank Wellons, William	42N/5W-28El	Weed	12	71, 104, 140, 166, C-16
Alger Ditch Duffy, Hugh Moore, George E. Sudderath, Clifford	LON/8W-17J1	Callahan	16	28, 82, 137
Allen, Don	(See Musgrave ar	nd Linton Ditch)		
Antonio Ditch Araujo, Domingus B. and Manuel B. Fiock, Earl B. and Mildred O. Fiock, Henry	45N/6W-20Q2	Little Shasta	2	53, 94, 155
Araujo, Domingus B. and Manuel B.	(See Antonio Dit	cch)		
Ashburn, Bertha A.	42N/7W-25Cl 42N/7W-25Dl	Willow Creek Willow Creek	11	75, 106, 168 75
Babcock, Martin and Soule Ditch Day, Frank R. and Margaret S. Haight, Mattie A. Lane, Oliver P. and Lois H. Miller, LeRoy and Marion Shelley, L. L. Soule, Ella D.	45N/5W-25B1	Little Shasta	3	50, 93, 153
Ball, C. A.	41N/9W-10G1 41N/9W-11EL 41N/9W-11F1 (See North Fork	Callahan Callahan Callahan Ditch 41N/9W-21N1)	13 13 13	29, 82, 138 29, 138 29, 138
Ball, C. A. Berthelsen, V.	41N/9W-15A1	Callahan	13	29, 82, 138
Ball, C. A. Richman, R. E.	41N/9W-10R1	Callahan	13	29, 82, 138
Ball, C. A. Richman, R. E. Green, H.	41N/9W-15L1	Callahan	13	29, 83, 138
Ball, C. A. Fowler, C. C. Fowler, H. R. Halliday, W. J. Richman, R. E. Timmons, J. T. Tuttle, R. B.	41N/10W-26K1	South Fork	13	66
Barker Ditch Huddle, Thomas V. Johnson, J. C. Kellems, F. I. Maplesden, C. V. Orr, A. D. Taylor, Ray Walker, Vernon	43N/10W-35R1	Etna	7	42, 89, 147

TABLE 7 (Continued) INDEX TO SURFACE WATER DIVERSIONS SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

Diversion nome	Diversion		References		
or owner	Locotion	Subunit	Plate 2 Sheet No.	Text and appendixes Page No.	
Barnam, Floyd King, William H. Mazzini, John J. and Lillian M.	41N/5W-4F1	Weed	15	67, 101, 160, 163	
Barnes, Glenn LaFevers, D. H.	40N/9W-11J1	Callahan	16	28, 82, 137, C-15,C-1	
Barnes, Glenn Fisher, H. A. LaFevers, D. H. Wolford Brothers	41N/9W-25F1	Callahan	13	30, 83, 139	
Belcastro, Joe	42N/5W-35L1	Weed	12	73, 167	
Beleastro, Mike	41N/5W-3D1 42N/5W-35A1 42N/5W-35B1 42N/5W-36B1	Weed Weed Weed Weed	15 12 12 12	67, 101, 163 73, 105, 167 73, 105, 167 73, 105, 167	
Belcastro, Mike Vidrickson, H. L. and Louise C.	42N/5W-25Pl	Weed	12	70, 103, 165	
Bemrod, Harry M. and Martha B. Byers, Walter L. and Barbara B.	41N/9W-32A1	South Fork	13	65, 139	
Bergan	(See Richman,	R. E.)			
Bergsnyder, L. B.	40N/9W-25J1	South Fork	16	65,100, 162	
Berthelsen, V.	(See Ball, C.	A.)			
Big Springs Irrigation District	43N/5W-3R2	Dwinnell Reservoir	9	32, 84, 141, 10-3	
Bigham, Ernest	42N/9W-16E1 42N/9W-17H2	Etna Etna	10 10	40, 88, 146 40, 88, 146	
Bigham, Margaret	42N/9W-17M2	Etna	10	40, 88, 146	
Birdwell, C. W.	40N/9W-1R1 40N/9W-11Q1 40N/9W-12F1 40N/9W-12F2 44N/9W-31C1 44N/9W-31D1	Callahan Callahan Callahan Callahan Lower Scott Valley Lower Scott Valley	16 16 16 16 14	28, 137 28, 137, C-15 28, 82,137, C-15 29, 82, 137, C-15 57, 96, 157 57, 96, 157, C-17	
Brahs, Frank	(See Huesman I	Ditch)			
Brazie, Ben	44N/7W-11P1	Yreka Creek	5	76, 106, 169	
Bridwell, Ernest	42N/6W-24MI	Parks Creek	11	63, 99, 149, 161	
Brown, Josephine Culp, B. R. Payne, Larue Tebbe, Albert	45N/7W-29L2	Yreka Creek	2	78, 107, 170	
Brown, Myrtle and Estate of Ira E.	(See Musgrave	and Linton Ditch)			
Bruce, Merle	44N/10W-25C1	Lower Scott Valley	4	58, 96, 157	
Bruce, Merle Tozier Brothers	M4N/10W-25F1	Lower Scott Valley	l_{ϕ}	58, 96, 157	

Diversion nome	Diversion	C. b. z't	References		
or owner	location	Subunit	Plote Sheet		ond oppendixes Page No.
Bruinsma, Samuel	կ3N/6W-2F1 կ3N/6W-2IJ կ3N/6W-11B1 կ3N/6W-11G1 կիN/6W-26C1 կիՄ/6W-26M1 կիՄ/6W-35E1 կիՄ/6W-35E2	Grenada Grenada Grenada Grenada Grenada Grenada Grenada Grenada	88885555	144, 146, 146, 147,	91, 149 91, 149 91 150 92, 150
Buell, W. E.	(See Musgrave and	d Linton Ditch)			
Burgess, C. E.	45N/7W-10R1	Yreka Creek	2	77,	107, 169
Burton, Burnell	ЦЦN/10W-35B1 ЦЦN/10W-35C1	Lower Scott Valley Lower Scott Valley	14 14	58 58,	97, 158
Burton, Burnell Burton, Ed Pearson, Casey	44N/10W-35P2	Lower Scott Valley	4	59,	97, 158
Burton, Ed	(See Burton, Burn (See Freitas Dito				
Burton, Ed Pearson, Casey	44N/10W-34K1	Lower Scott Valley	4	58,	97, 158
Burton, Fred W.	հետ/7w-5L1 հետ/7w-5Q1 հետ/7w-5Q1 հետ/7w-7J1 հետ/7w-7R1 հետ/7w-8R1 հետ/7w-8K1 հետ/7w-8K3 հետ/7w-8K4 հետ/7w-8M1 հետ/7w-8Q1 հետ/7w-8Q2	Yreka Creek		75, 75, 75, 76, 76, 76, 76, 76, 76, 76,	168 168 168 168 169 169 169 169 168
Byers, Walter L. and Barbara B.	(See Bemrod, Harr	y M. and Martha B.)			
Caldwell, Willard R.	42N/5W-34K1	Weed	12	73,	167
Camp Ditch U. S. Bureau of Indian Affairs; Quartz Valley Indian Reservatio	43N/10W-10El	Lower Scott Valley	7	56,	95, 156
Campbell Lake R. A. Folendorf	42N/11V-34F1	Shackleford Creek	7	64	
Carpenter, Fred	42N/6W-3R1	Grenada	11	43,	90, 148
Cawley, Laura	43N/5W-20B1 44N/7W-4K1	Parks Creek Yreka Creek	9 5	64, 1 75,	
Chester, Henry	43N/10W-2K1	Lower Scott Valley	7	55,	156
Chester, Henry Tozier Brothers	44N/10W-35P1	Lower Scott Valley	1,	59,	97, 158
Clement, Mrs. Bertha	45N/6W-8F1	Little Shasta	2	52,	154, D-7
Clement, Paul	45N/6W-8Al	Little Shasta	2	52,	154

Diversion nome	Diversion		References		
or owner	locotion	Subunit	Plote 2 Sheet No	Text and appendixes Page No.	
Cliff Lake R. A. Folendorf	42N/11W-33R1	Shackleford Creek	7	64	
Cloak Lake Drummond, Charles T. and Ellen B.	44N/5W-20J1	Dwinnell Reservoir	6	34, 85, 142, 150, C-17	
Cody, Mae Carrick	(See Crooks, Co	ecile Carrick)			
Connick, Harris R. and Edyth R.	45N/4W-3OK2 (See Haight, De	Little Shasta eter, and Kegg Ditch)	3	49, 152, C-16	
Connolly, Ples	41N/5W-9G1	Weed	15	67, 101, 16l ₄	
Coonrod, Donald and J.	14M/14M-58MI	Dwinnell Reservoir	6	34, 85, 142	
Cort, William E., Jr. and Sons	(See More, Isak (See Parks Cree				
Cory, William M. and Elsie E.	41N/9W-22P1	Callahan	13	30, 83, 139	
Cory, William M. and Elsie E. Green, H. Mason, John H. and Eleanor	41N/9W-28B1	Callahan	13	30, 83, 138, 139	
Costa, Frances	կիn/8w-22Ll կիn/8w-26Fl կիn/8w-27Ll	McAdam Creek McAdam Creek McAdam Creek	5 5 5	59, 158 59, 158 59, 159	
Costa, Frances Deas, Joe Victor, E. F.	ЦЦN/8W-27Gl	McAdam Creek	5	59, 159	
Cramer, Fred	43N/8W-2Kl 44N/8W-36N1	Moffett Creek Moffett Creek	8 5	60, 98, 159 61, 98, 160	
Cramer, M. L., Harold L., Charles and Bonnie A.	43N/7W-18G1 43N/8W-12K1 43N/8W-13G1 43N/8W-13G2	Moffett Creek Moffett Creek Moffett Creek Moffett Creek	8 8 8	60, 98, 159 60, 98, 159 60, 98, 159 60, 98, 160	
Crechriou, Gertrude	41N/5W-17F1 42N/6W-19M1 42N/7W-24R1	Weed Willow Creek Willow Creek	15 11 11	69, 102, 164 74, 168 75, 106, 168	
Crechriou, John	177N/3M-SSNJ	Lower Scott Valley	4	57, 96, 157	
Crooks, Cecile Carrick	42N/5W-36Hl	Weed	12	73, 105, 167	
Culp, B. R.	(See Brown, Jos	sephine)			
Custer, C.	(See Wright and	d Fletcher Ditch)			
Custer, C. Rose, George	1,3N/9W-8B1	Lower Scott Valley	7	54, 156	
Damron, Howard	42N/6W-16F1 42N/6W-17K1 42N/6W-17L1 42N/6W-17N1	Grenada Willow Creek Willow Creek Willow Creek	11 11 11 11	43, 148 74, 149 74, 149, 167 74, 167	
Damron, James	42N/6W-7G1	Willow Creek	11	74, 167	

Diversion name	Diversion name Diversion Subject	S. b.	References		
or owner	location	Subunit	Plate Sheet		
Dangle, Josephine, et al.	43N/10W-11C1 43N/10W-11K1 43N/10W-11Q1	Lower Scott Valley Lower Scott Valley Lower Scott Valley	7 7 7	56, 95, 156, 157 56, 96, 157 56, 96, 157	
Danielson, H. Jorgen and Elinore	40N/9W-5K1 41N/9W-33R1	South Fork South Fork	16 13	64, 100, 137, 162 65, 100, 162	
Darbee, Andrew L.	43N/9W-15K1	South Fork	16	65,138, C-15	
Davidson, B. F.	43N/9W-11M1	Etna	7	42, 147, C-17	
Davidson, Charles S. and Dora	41N/5W-3C1	Weed	15	67, 163	
Davidson, W. T. Star Ranch, Inc.	43N/9W-2G1	McAdam Creek	7	59, 97, 147, 155, 163	
Davis, E. Orlo and Margaret A.	կկո/կա-կч կկո/կա-5к1 կկո/կա-5L1 կկո/կա-5L2 կ5ո/կա-3oк1	Little Shasta Little Shasta Little Shasta Little Shasta Little Shasta	6 6 6 3	47, 151 48, 152 48, 152 48, 152 49, 153	
Davis, E. Orlo and Margaret A. Walters, Larry	<u> </u>	Little Shasta	6	47, 152	
Day, Frank R. and Margaret S.	(See Babcock, Mar (See Musgrave and	tin and Soule Ditch) Linton Ditch)			
Ieas, Joe	(See Costa, Franc	es)			
Denny, Susie N., et al.	41N/9W-13E1 41N/9W-24F1	Callahan Callahan	13 13	29 30 , 139	
Depew, Kenneth	42N/9W-33 El	Etna	10	41, 89, 147	
DeRose, Joe	45N/8W-2LR1	Yreka Creek	2	79, 107, 170	
DeSozo, Tom	(See Huesman Ditc	h)			
Dodson, Bob E.	45N/7W-3OR1	Yreka Creek	2	78, 107, 170	
Doren, John L.	ևևn/6w-3Rl ևևn/6w-LJl ևևn/6w-LRl ևևn/6w-11Ll	Grenada Little Shasta Little Shasta Grenada	5 5 5 5	45, 91, 150 48, 93, 152 48, 93, 150, 152 45, 91, 150, 152	
Dreyer, Anna	(See Musgrave and	Linton Ditch)			
Drummond, Charles T. and Ellen B.	ЫЫN/5W-19G1 ЫЫN/5W-20M1 ЫЫN/5W-20P1 (See Cloak Lake) (See Salt Lake)	Grenada Grenada Dwinnell Reservoir	6 6 6	45, 150, c-18 45, 150, c-18 34, 85, 150, c-18	
Dudley-Parker Ranch	41N/8W-23C1 41N/8W-23C2 41N/8W-34A1	East Fork East Fork	1/ ₁ 1/ ₁ 1/ ₁	38, 144 38, 145 38, 145	
Duffy, Hugh	(See Alger Ditch)				
Dwinnell Reservoir Montague Water Conservation District	43N/5W-25L1	Dwinnell Reservoir	9	33, 85, 1h2, 151, 153, 15h, C-16, C-17, D-7	

Diversion name Diversion			References	
or owner	location	Subunit	Plate 2 Sheet N	
tastlick, James	կկN/10W-21J1 կկN/10W-28A1	Lower Scott Valley Lower Scott Valley	4 4	57, 96, 157 58, 158
Edmonds, Alfred C. and Viola M.	45N/4W-19L1	Little Shasta	3	48, 93, 152
Edson-Foulke Yreka Ditch Company	41N/5W-6D1 41N/5W-9P1	Parks Creek Weed	15 15	61,99,148,160,D-3,D5 68,101,148,150,160, 164, D-3, D-4, D-5
	42N/6W-10G1	Grenada	11	43,D-3,D-4,D-5,D-6
Ekstrom, Roland	44N/6W-14A1	Grenada	5	45, 91, 150, C-16
Atna, City of	41N/9W-6J1	Etna	13	20, 39
Etna Mill Ditch Nagner Brothers	42N/9W-32R1	Etna	10	41, 89, 146
Farmers Ditch Company	LON/9W-1J1	Callahan	16	28, 82, 137
Fincher, Aron	ԱԿN/9W-28H1 ԱԿN/9W-28R1	Lower Scott Valley Lower Scott Valley		57. 96, 157 57
Fiock, Earl B. and Mildred O.	45N/SW-32H1	Little Shasta	3	51, 94, 153, C-16, C-17
	45N/6W-21F1 45N/6W-28Q1 (See Antonio D	Little Shasta Little Shasta itch)	2	53, 94, 155 53, 94, 155
Fiock, Earl B. and Mildred O. Fiock, Henry	45N/6W-20A1 45N/6W-20Q1	Little Shasta Little Shasta	2	53, 94, 154 53, 94, 154
Fiock, George	45N/6W-33K1	Little Shasta	2	54, 95, 155
Fiock, Henry	45N/6W-18Hl (See Antonio D (See Fiock, Ea	Little Shasta itch) rl B. and Mildred O.)	2	53, 94, 154
Fiock, W. B.	44N/7W-10F1	Yreka Creek	5	76, 106, 169
Fisher, H. A.	(See Barnes, G	lenn)		
Folendorf, R. A.	(See Campbell (See Cliff Lak (See Weed Ditc	e)		
Foulke, Edson L.	42N/6W-2P1 42N/6W-2P2 42N/6W-3H1 43N/6W-25D1 43N/6W-26H1 43N/6W-26H2 43N/6W-34R1	Grenada Grenada Grenada Grenada Grenada Grenada	11 11 8 8 8 8	43, 90, 148 43, 90, 148 43, 90, 148 44, 149 45, 149 45, 149 45, 91, 150, C-16
Fowler, Bonnie	40N/9W-1Cl	Callahan	16	28, 137
Fowler, Clyde E.	41N/8W-36K1 41N/8W-36P1	East Fork East Fork	1h 1h	38, 87, 145 38, 87, 145
Fowler, C. C.	(See North For (See Ball, C.	k Ditch 41N/9W-21N1)		
Fowler, H. R.	(See North Fork	Ditch 41N/9W-21N1)		

Diversion name	Diversion			References
ar awner	Location	Subunit	Plate 2 Sheet N	
Franklin, Laurence	40N/7W-7L2 40N/7W-18E1 40N/7W-20A1	East Fork East Fork East Fork	17 17 17	35, 86, 143 35, 86, 143 35, 86, 143
Freeman, Williard and Merl	4411/6W-10A1	Grenada	5	45, 91, 150
Freitas Ditch Burton, Ed Pearson, Casey U. S. Bureau of Indian Affairs; Quartz Valley Indian Reservation	43N/10W-2Q1	Lower Scott Valley	7	55, 95, 156
French Mining Company	39N/9W-9Hl	South Fork	18	64
Friden, Stanley M.	43N/9W-17N1 43N/9W-20D1 43N/9W-20E1 43N/9W-20M1 43N/9W-31D1	Lower Scott Valley Lower Scott Valley Lower Scott Valley Lower Scott Valley Etna		5h, 156 55, 156 55, 156 55, 156 h2, 8g 156
Fuglistaler, Alfonso J.	40N/9W-4Q1 40N/9W-7H1	South Fork South Fork	16 16	64,100, 137, 162 65,100, 137, 162
Gallarda, William J.	44N/6W-29E1 44N/6W-30H1 44N/6W-30H2 44N/6W-30K1 44N/6W-30P1	Grenada Grenada Grenada Grenada Grenada	5 5 5 5 5	46, 92, 151 46, 92, 151 46, 92, 151 46, 92, 151 47, 92, 151
Girard, Normond L.	45N/7W-9J1 45N/7W-10Ml	Yreka Creek Yreka Creek	2	77, 107, 169 77, 169
Glendenning Brothers	43N/9W-28G1 (See Wright and	Etna Fletcher Ditch)	7	և2, 11,7
Goose Nest Properties, Inc.	the second second	Ball Mountain Ball Mountain	3 3	28, 137 28, 137
Green, H.	41N/9W-15G1 (See Ball, C. A (See Cory, Will	Callahan .) iam M. and Elsie E.)	13	29, 83, 138
Gregg, Rodney	40N/6W-8M1 40N/7W-13A1 41N/7W-14D1 41N/7W-15E1 41N/7W-15F1 41N/7W-16H1 41N/7W-16P1 41N/7W-21C1 41N/7W-21P1 41N/7W-28H1	East Fork	17 17 14 14 14 14 14 14 14	35, 144 35, 144 36, 87, 144 37, 87, 144 37, 87, 144 37, 87, 144 37, 87, 144 37, 87, 144 37, 87, 144
Grenada Irrigation District	43N/5W-6D1	Grenada	9	43,90,149,C-16,D-6
Grissom Ranch	42N/5W-5Q1 42N/5W-7H1 42N/5W-7K1 42N/5W-8C1 42N/5W-8B1 43N/5W-28B1 43N/5W-32A1 43N/5W-33M1	Parks Creek	12 12 12 12 12 9 9	61, 160 61, 160 61, 160 61, 160 61, 160 61, 162 61, 162

Diversion nome	Diversion	0.5		References
or owner	Locotion	Subunit	Plate 2 Sheet No.	Text and appendixes Page No.
Guerin, George H. and Linda	(See Musgrave	and Linton Ditch)		
Hahn, Donald	43N/10W-10F1	Lower Scott Valley	7	56, 95, 156
Haight, Deter and Kegg Ditch Connick, Harris R. and Edith R.	45N/4W-20B1	Little Shasta	3	49, 93, 152
Haight, Ira F.	(See Musgrave	and Linton Ditch)		
Haight, Mattie A.	(See Babcock,	Martin and Soule Dito	h)	
Halliday, W. J.	42N/9W-28Ql (See Ball, C. (See North For	Etna A.) ck Ditch 41N/9W-21N1)	10	41, 89, 139
Hamilton, Rodney	40N/8W-22F1 40N/8W-22L1 40N/6W-22L2 40N/8W-22P1 40N/8W-35E1	East Fork East Fork East Fork East Fork East Fork	16 16 16 16 16	36, 86, 143 36, 86, 143 36, 86, 143 36, 86, 143
Hammond, Carl	42N/9W-28C1 42N/9W-29G1 42N/9W-29H1	Etna Etna Etna	10 10 10	41 41, 89, 146 41, 146
Hammond, Dwight	41N/5W-9B1 41N/5W-9P2 41N/5W-16D1 41N/5W-16E1 41N/5W-16Q1 41N/5W-21A2 41N/5W-21C1 41N/5W-21L1 41N/5W-21P1 41N/5W-21R1 41N/5W-27M1	Weed Weed Weed Weed Weed Weed Weed Weed	15 15 15 15 15 15 15 15 15 15	67, 101, 160, 164 68, 102, 164 69, 102, 164 69, 164 69, 102, 164 69, 102, 164 69, 102, 164 69, 102, 163, 164 69, 103, 104, 165 38, 87, 145, 161, 169 39
Hammond, Dwight and Stuart		Weed ck Ditch 41N/5W-3411)	15	69, 102, 164,
Hammond, Stuart	41N/5W-5H1 41N/5W-5K1 41N/5W-28M1 41N/5W-33B1 41N/5W-33B2 41N/5W-33C1	Weed Weed Eddy Creek Eddy Creek Eddy Creek Eddy Creek	15 15 15 15 15	67, 101, 163 67, 101, 164 39, 88, 145 39, 88, 145 39, 88, 145 39, 88, 145
Harmon, W. S. (Mrs.)	40N/7W-18Cl	East Fork	17	35, 143
Harp Ditch Terwilliger, Sidney F.	45N/4W-16B1	Little Shasta	3	48, 93, 152
Hart, Gladys I.	45N/4W-30Al 45N/5W-35F1	Little Shasta Little Shasta	3 3	49, 153 52, 154
Hart, Gladys I. Reynolds, D. L.	45N/5W-25B3	Little Shasta	3	50, 93, 153
Hayden, Dick	40N/9W-24R1	South Fork	16	65,100, 162

Diversion name	Diversion	0.5.5	References		
or owner	Location	Subunit	Plate 2 Sheet N		
Hayden, Frank J.	40N/8W-13L1 40N/8W-14G1 40N/8W-23B1 40N/8W-23D1	East Fork East Fork East Fork East Fork	16 16 16 16	35, 86, 143, c-16 36, 143 36, 86, 143 36, 86, 143	
Hayden, Gladys Jenner, John T.	42N/9W-3N1	Etna	10	39	
Hayden, Nerva M.	40N/8W-2B1 40N/8W-2B2 40N/8W-2Q1 41N/8W-34J1 41N/8W-34R1	East Fork East Fork East Fork East Fork East Fork	16 16 16 14 14	35, 143 35 35, 86, 143 38, 87, 145	
Hayden, Nerva M. Owens, Hazel	40N/8W-15R1	East Fork	16	36, 86, 11;3	
Hayden, R. B.	4011/811-1501	East Fork	16	36, 143	
Heide, John	43N/10V-9C1 43N/10W-9L1	Lower Scott Valley Lower Scott Valley	7 7	55, 156 56, 156	
Heinsen, Kathryn	42N/6W-19G1 42N/6W-19G2 42N/6W-19K1 42N/6W-19K2 42N/6W-30B1	Willow Creek Willow Creek Willow Creek Willow Creek Willow Creek	11 11 11 11	74, 105, 167 74, 106, 167 74, 106, 167 74, 106, 168 74, 106, 168	
Herman, H.	(See Wright and	d Fletcher Ditch)			
Hill, Glen (Mrs.)	45N/7W-34P1	Yreka Creek	2	79, 107, 170	
Horn, F. Douglas	42N/9W-26Ll 42N/9W-27Fl 42N/9W-27Ml	Etna Etna Etna	10 10 10	41, 89, 146 41 41, 89, 146	
Howell, Ivan R.	43N/9W-3D1	Lower Scott Valley	7	54, 155	
Hoy, A. B.	42N/5W-23P1 42N/5W-26B1 42N/5W-26F1 42N/5W-26H1	Weed Weed Weed Weed	12 12 12 12	70, 103, 165 70, 103, 165 71, 103, 165 71, 103, 165	
Hoy, A. B. Vidrickson, H. L. and Louise C.	42N/5W-25P2	Weed	12	70, 103, 165	
Huddle, Thomas V.	43N/9W-31Al (See Barker Dit		7	42,89, 147	
Huddle, Thomas V. Taylor, Ray	43N/9W-33Cl	Etna	7	42, 1/17	
Huesman Ditch Brahs, Frank DeSozo, Tom Jenkins, Jerald Peters, H. J. Root, (Mrs.)	43N/5W-6D2	Grenada	9	ևև, 91, 1և9	
Hullquist, Wilber and Grace Mason, Roy E.	44N/9W-22G1	Lower Scott Valley	Ł,	57,96,157	

Oiversion name	Diversion		References		
ar owner	Locotion	Subunit	Plote 2 Sheet No		
Turb	41N/4W-6P1	Weed	15	20, 66, 101, 163	
International Paper Company	41N/4W-7C1	Weed	15	20, 66	
	41N/5W-1B1	Weed	15	20, 66, 101	
	41N/5W-1H1	Weed	15	20, 67, 101, 163	
	41N/5W-1H2	Weed	15	20, 67, 101, 163	
	41N/5W-2E2	Weed	15	20, 67, 101	
	4111/5W-13D1	Weed	15	20, 68	
Jackson, Samuel C.	42N/5W-21Q1	Weed	12	70, 103, 165	
	42N/5W-22Cl	Dwinnell Reservoir	12	31, 84, 140	
	42N/5W-22C2	Dwinnell Reservoir	12	31, 84, 1ho	
	42N/5W-22Ll	Wood	12	70, 103, 140	
	42N/5W-22P1	Weed	12	70, 103, 165	
	42N/5W-22R1	Weed	12	70, 103, 140, 165	
	42N/5W-27D1	Weed	12	71, 104, 165	
	42N/5W-27D2	Weed	12	71, 104, 165	
	42N/5W-28J1	Weed	12	71, 166	
	42N/5W-28Q1	Weed	12	72, 104, 166	
	42N/5W-28R1	Weed	12	72, 104, 165, 166	
James, Gordon C.	4511/7/1-21R1	Yreka Creek	2	77, 169	
Jarvis, Ralph J.	44N/7N-22H1	Grenada	5	l ₁ 7, 151	
varvis, naipii o.	4411/7W-22Kl	Grenada	5	47, 151	
Jenkins, Jerald	44N/6W-25Fl (See Huesman		5	1,6,92, 11,9, 150	
Jenner, John T.	4311/911-3401	Etna	7	42,89,147	
	43N/9W-3402 (See Hayden, G	Etna Fladys)	7	և2, 1և7	
Johnson, Erick	45N/7W - 23E1	Yreka Creek	2	78, 107, 169	
Johnson, J. C.	(See Barker D	itch)			
Julien, R. E. H.	44H/6W-16ML	Grenada	5	45	
•	44N/6W-21A1	Grenada	5	46, 92, 150, C-17	
	44N/6H-21A2	Grenada	5	16, 92, 150	
	44N/6W-21C1	Grenada	5 5 5	46, 92, 150	
	44H/6W-22D1	Grenada	5	h6, 92, 150	
Vallene E I	(See Barker D	i+ah)			
Kellems, F. I.	(nee parver p	1 0011)			
Kellogg, Frank A. Ladewig, George	4111/5W-14-01	Weed	15	69, 16h	
King, Kenneth	4311/5W-26C1	Dwinnell Reservoir	9	33, 1h2	
Waters, Emily S.					
King, Kenneth Miller, Marvin L. and Inez M. Waters, Emily S.	43N/5W-26A1	Dwinnell Reservoir	9	33, 1h2	
King, William H.	(See Barnam,	Floyd)			
Flauser, H. F. and Paula	(See Aderholt	, Hugh V.)			
Koppes, 'imon	4511/6W-25L1	Little Chasta	2	53, 94, 155	

Diversion name	Diversion		References					
ar ·awner	Location	Subunit	Plote 2 Sheet No	Text and appendixes Dage No.				
Wreutzer, F. J. and Alta	(See Musgraye	and Linton Ditch)						
Krum, W. E.	(See Shastina	Water Service)						
Madewig, George	(See Kellogg,	Frank A.)						
LaFevers, D. H.	(See Barnes, G	lenn)						
Lane, Oliver P. and Lois H.	(See Babcock,	Martin and Soule Dite	eh)					
Lange, Gerald	45N/7V-21F1 45N/7V-21G1 45N/7V-21K1 45N/7V-21P1 45N/7V-21P2 45N/7V-21Q1	Yrcka Creek Yreka Creek Yreka Creek Yreka Creek Yreka Creek Yreka Creek	2 2 2 2 2 2	77, 107, 169 77, 169 77, 169 77, 107, 169 77, 169 77, 169				
Lemos, Harold A. and Minnie I.	14211/511-2901	Parks Creek	12	62, 99, 161				
Lemos, Harold A. and Minnie I. Little, Martin W. and Laura M.	4211/5W-2011	Parks Creek	12	62, 99, 161				
Lemos, Harry	42N/5W-33K2	Weed	12	72, 105, 167				
Lemos, Harry Neal, A. W. and Alma Rueker, Laverne R. Solus, Ernest E. and Dororthy N.	42N/5W-33KI	Weed	12	72, 105, 166				
Lemos, Harry Solus, Ernest E. and Dorothy N.	42N/5W-33L1	Weed	12	73, 105, 166, 167				
Lemos, Joseph A.	4511/711-3R1	Yreka Creek	2	77, 107, 169				
Lemos, Mary	45N/6W-29H1 45N/6W-29H2	Little Shasta Little Shasta	5	54, 94, 155 54, 94, 155				
Lewis, Robert E. and Louise	41N/9W-34D1	Callahan	13	30, 83, 139				
Lilly, George	44W/10W-24Bl	Lower Seott Valley	1+	57, 96, 157				
Linville, John H.	42N/5W-36M1 42N/5W-36M2	Weed Weed	12	73, 105, 167 73, 105, 167				
Little, Martin W. and Laura M.	(See Lemos, Ha	rold A. and Minnie I.)					
Little, Martin W. and Laura M. Nelson, Gus V.	42N/5W-20M1	Parks Creek	12	62, 99, 161				
Lolax, Oscar A. and Edlean R.	41N/9W-21P1 41N/9W-21Q1 41N/9W-22M2	Callahan Callahan Callahan	13 13 13	30, 138 30 30, 83, 139				
Long, Brice M. and Mildred B.	(See Musgrave	and Linton Ditch)						
Louie, Ellis J.	43N/5V-3KL 43N/5V-3K2 43N/5V-3QL 43N/5V-9G1 43N/5W-9G2 43N/5W-9G3 43N/5W-9R1 43N/5W-10D1 43N/5W-15D1	Dvinnell Reservoir	999999999	31, 84, 1h0, 1h1 31, 84, 1h0 32, 84, 1h0, 1h1 32, 84, 1h1 32, 84, 1h1 32, 85, 1h1 32, 85, 1h1 33, 85, 1h1 33, 1h1				

Diversion name	Diversion	Submit.	References								
ar owner	Locotian	Subunit	Plate 2 Sheet No	Text and appendixes Page No.							
Luckenmynor	(See Wright and	i Fletcher Ditch)									
Lytle, Warren Smith, Travis	44N/10W-22Rl 44N/10W-27Hl	Lower Scott Valley Lower Scott Valley	1 ₄	57, 96, 157 58, 97, 158							
Machado, Toni Silva, Louis	44N/5W-28Cl	Dwinnell Reservoir	6	34							
Maggetti, Peter	(See Musgrave and Linton Ditch)										
Maplesden, C. V.	(See Barker Di	tch)									
Marlow, E. H.	45N/7W-29Nl	Yreka Creek	2	78, 170							
Martin, Brice	45N/4W-29El	Little Shasta	3	49							
Martin, Bruce	(See Wright an	d Fletcher Ditch)									
Martin, Ida A.	45N/3W-14F1 45N/3W-15H1 45N/4W-2OJ1 45N/4W-2OQ1 45N/4W-29A1 45N/4W-29B1 45N/4W-29C1 45N/5W-25A1	Ball Mountain Ball Mountain Little Shasta	3 3 3 3 3 3 3 3	28, 137 28, 137 49, 152 49, 153 49, 153 49, 153 50, 153							
Mason, John H. and Eleanor	41N/9W-22Ml (See William M	Callahan . and Elsie E. Cory)	13	30, 83, 139							
Mason, Roy E.	(See Hullquist	, Wilber and Grace)									
Mathews, W. D.	42N/9W-20N1	Etna	10	40, 146							
Maxwell, Glen G.	42N/6W-10Ll	Grenada	11	43, 90, 148							
Mazzini, John J. and Lillian M.	(See Barnam, F	loyd)									
McConnell, Carl	40N/7W-14A1 41N/7W-11F1 41N/7W-14B1 41N/7W-16K1 41N/7W-18G1 41N/7W-19M1 41N/7W-20H1 41N/7W-20H1 41N/7W-30A1 41N/7W-30A1 41N/7W-30A1 41N/8W-36A1 42N/9W-17H1 42N/9W-17M1	East Fork	17 14 14 14 14 14 14 14 14 14 14 14 14 14	35, 14h, 145 36, 1h3 36, 1h3 36, 1h4 37, 1h4 38, 1h4 38, 1h5 38, 1h5 h0, 1h6 h0, 1h6							
McNames, J. R.	42N/9W-29G2	Etna	10	h1, 89, 1h6							
	45N/5W-3M1	Little Shasta	3	50, 153							

Diversion name	Diversion		References						
ar awner	Locotion	Subunit	Plote 2 Sheet No						
Meamber, Donald L. Prather, Morris L.	45N/6W-22Cl 45N/6W-22Fl	Little Shasta Little Shasta	2	53, 94, 155, c-18 53					
Meline, Elmer H. and Inez Mary	41N/5W-11A1 41N/5W-12C1 41N/5W-12C2 41N/5W-12D1 41N/5W-13D2	Weed Weed Weed Weed	15 15 15 15 15	68, 102, 164 68, 102, 164 68, 102, 164 68, 102, 164 68					
Menenhall Brothers	43N/7W-1H1 43N/7W-1J1 43N/7W-1R1	Willow Creek Willow Creek Willow Creek	8 8 8	75, 168 75, 106, 168 75, 106, 168					
Messerall, Charles O.	44N/4W-15G1 44N/4W-15Q1 44N/4W-21B1	Dwinnell Reservoir Dwinnell Reservoir Dwinnell Reservoir	6 6	34, 142 34, 142 34, 142					
Miller, LeRoy and Marion	43N/5W-25Ml (See Babcock, (See King, Ken	Dwinnell Reservoir Martin and Soule Ditch uneth)) 9	33, 85,142					
Mills, Maybelle B.	42N/5W-15F1 42N/5W-15M1 42N/5W-16C1 42N/5W-16N1 42N/5W-20A1 42N/5W-20A2	Dwinnell Reservoir Dwinnell Reservoir Dwinnell Reservoir Dwinnell Reservoir Dwinnell Reservoir Dwinnell Reservoir	12 12 12 12 12	31, 83,140 31, 83,140 31, 84,140 31, 84,140 31, 84,140 31, 84,140					
Mills Ranch Corporation	43N/6W-24E1	Grenada	8	Щ, 149					
Milney, George, Estate of	44N/9W-13C1 44N/9W-13C2 44N/9W-13M1	McAdam Creek McAdam Creek McAdam Creek	2 ₊ 2 ₊ 2 ₊	60, 97, 159 60, 159 60, 98, 159					
Montague Water Conservation District	42N/5W-29Q1 45N/5W-26R2 (See Dwinnell	Parks Creek Little Shasta Reservoir)	12	63, 99, C-16, C-17,D- 51, C-16					
Moore, Allen	40N/9W-23G1	South Fork	16	65, 100,138, 162					
Moore, George E.	(See Alger Dit	ch)							
More, Isabella C.	41N/6W-1A1 42N/5W-31J1 42N/5W-31Q1 42N/5W-32E1 42N/5W-32E2	Parks Creek Parks Creek Parks Creek Parks Creek Parks Creek	14 12 12 12 12	61, 99, 160 63, 161 63, 99, 161 63, 161					
Mulloy, Con and Dennis	43N/10W-9H1 43N/10W-14R1	Lower Scott Valley Lower Scott Valley	7 7	55, 95, 156 56					
Mulloy, Dennis	43N/10W-10J1	Lower Scott Valley	7	56, 95, 156					
Murphy, Homer	41N/5W-21A1	Weed	15	69, 102, 161,					

Diversion name	Diversion	0	References					
or owner	Location	Subunit	Plate 2 Sheet Na					
Musgrave and Linton Ditch Allen, Don Brown, Myrtle and Estate of Ira E. Buell, W. E. Day, Frank R. Dreyer, Anna Guerin, George H. and Linda Haight, Ira F. Kreutzer, F. J. and Alta Long, Brice M. and Mildred B. Maggetti, Peter O'Connor, Arthur and Lois L. Rohrer, J. B. White, Phoebe	45N/5W - 25B2	Little Shasta	3	50, 93, 153, D-7				
Neal, A. W. and Alma	42N/5W-28KL 42N/5W-28P1 42N/5W-33C1 (See Lemos, Ha	Weed Weed Weed arry)	12 12	72, 104, 166 72, 104, 166 72, 104, 166				
Nelson, Gus. V.	42N/5W-18C1 42N/5W-18C2 42N/5W-18L1 42N/5W-18L2 42N/5W-18N1 42N/5W-18P1 42N/5W-18Q1 42N/5W-19A1 42N/5W-19C1 (See Little, 1	Parks Creek	12 12 12 12 12 12 12 12 12 12 12	61, 160 61, 99, 160 61, 99, 161 62 62 62 62 62, 99, 161 62, 99, 161 62, 99, 161				
Nelson, Sedgley D.	43N/5W-5D1 43N/5W-5D2	Dwinnell Reservoir Dwinnell Reservoir	9 9	32, 84, 141 32, 149				
North Fork Ditch Hammond, Dwight and Stuart	41/5W-34II	Eddy Creek	15	39, 83, 109, 145				
North Fork Ditch Ball, C. A. Fowler, C. C. Fowler, H. R. Halliday, W. J. Richman, R. E. Timmons, J. T. Tuttle, R. B.	41N/9W-21N1	Callahan	13	29, 83, 138, 139				
Munes, Aubrey J.	44n/4w-16R1 44n/4w-28A1	Dwinnell Reservoir Dwinnell Reservoir	6 6	3h, 85, 1h2 3h, 85, 1h2				
O'Connor, Arthur	45N/5W-35Bl 45N/5W-35Cl (See Musgrave	Little Shasta Little Shasta and Linton Ditch)	3 3	52 , 154 52				
Orr, 1. D.	(See Barker D	itch)						
Orr, paruh	4411/6W-20R1 4411/6W-29B1	Grenada Grenada	5 5	1,6,91, 150 1,6,92, 150				

Diversion name	Diversion	Subusia	References					
or awner	Lacation	Subunit	Plate 1					
Owens, Hazel	40N/8W-20R1 (See Hayden,		16	28, 82, 137				
Parks Creek Ranch	42N/5W - 29P1 42N/5W - 29P2		12 12	62, 161 63, 161				
Payne, Larue	(See Brown, J	osephine)						
Payton, J. A.	42N/7W-12G1	Willow Creek	11	74, 168				
Pearson, Casey	44N/10W-27L1	Burnell)	24	58, 97, 158 58, 97, 158 58, 97 , 158				
Pereira, John	43N/10W-14J1	Lower Scott Valley	7	56, 96, 157				
Peters, H. J.	(See Huesman I	Ditch)						
Prather, Morris L.	45N/6W-33Al 45N/6W-34Dl (See Meamber,	Little Shasta Little Shasta Donald L.)	2	54, 95, 155 54, 95, 155				
Price, J. L.	43N/6N-14N1 43N/6N-22R1 43N/6W-23N1 43N/6W-26C1		8 8 8	հե, 91, 149 հե, 91, 149 հե, 91, 149 45, 91, 149				
Proctor, J. D. and Ruth A.	40N/9W-5C1 41N/9W-32G1	South Fork South Fork	16 13	64, 162 65,100, 162				
Reynolds, D. L.	45N/5W-26R1 45N/5W-35B2 (See Hart, Gle	Little Shasta Little Shasta dys I.)	3	51, 153 52, 154				
Rich, Charles L.	40N/7W-7L1 40N/7W-8H1	East Fork East Fork	17 17	35, 85, 143 35, 86, 143				
Richardson, A. E.	40N/7W-7D1	East Fork	17	35, 85, 143				
Richman, R. E.	(See North For (See Ball, C.	k Ditch 41N/9W-21N1) A.)						
Roberts, F. A. and Joy M.	45N/6W-7G1	Little Shasta	2	52, 94, 154				
Robertson, Harry	42N/5W-19Q1 42N/6W-24K1	Parks Creek Parks Creek	12 11	62, 99, 161 63, 161				
Rohrer, J. B.	(See Musgrave	and Linton Ditch)						
Rohrer, J. B. Tamisiea, Minnie A.	45N/5W-34F1	Little Shasta	3	52 , 154				
Roland, G.	45N/6W-3E1	Little Shasta	2	52, 94, 154				
Root (Mrs.)	(See Huesman D	itch)						

Diversion name	Diversion		References				
or owner	location	Subunit	Plate 2 Sheet 1				
Rose, George	(See Custer, C. (See Wright and) i Fletchor Ditch)					
Rose, Manuel F. (Jr.)	45N/7W-29ML 145N/7W-30Cl	Yreka Creek Yreka Creek	2	78, 170 78, 170			
Rovito, Frank and Maria	41N/5W-12Nl	Wecd	15	68, 102, 161,			
Rucker, Laverne R.	(See Lemos, Har	cry)					
Salanti, Pete	41N/5W-2E1	Weed	15	67, 101, 163			
Salt Lake Drummond, Charles T. and Ellen B.)+4N/5W - 29Cl	Dwinnell Reservoir	6	3lı, 8 5 , 150, C-18			
Scott Valley Irrigation District	41N/9W-2Bl 43N/9W-3Hl	Callahan Lower Scott Valley	13 7	29,82,138,146, C-167- 54,95,155,157,C-18,D-			
Selby, Gene	43N/10M-22Pl	Lower Scott Valley	7	57,96, 156, 157			
Scrpa, Joe	(See Wright and	i Fletcher Ditch)					
Shastalite Block Company	44N/7W-3H1	Yreka Creek	5	75, 106			
Shasta River Water Users Association	44N/6W-3N1	Little Shasta	5	48,93,150,152,D-9			
Shastina Water Service Krum, W. E.	41N/5W-2RL 41N/5W-11H1	Weed Weed	15 15	20, 67 20, 68			
Shelley, Dan	42N/6W-9P1 42N/6W-9Q1 42N/6W-9R1 42N/6W-16C1 42N/6W-19A1	Grenada Grenada Grenada Grenada Willow Creek	11 11 11 11	43, 148 43, 90, 148 43, 90, 148 43, 90, 148 74, 105, 148, 149			
Shelley, L. L.		Martin and Soule Dito Terwilliger Ditch)	ch)				
Shelley, L. L. Reynol ² ,	45N/5W-25F1	Little Shasta	3	50, 153			
Cilva, Louis	(See Machado,	Toni)					
Simmons, Frank	42N/9W-8ML	Etna	10	40, 88, 146			
Young, Leland Smith, Travis	(See Lytle, Wa	rren)					
Smith, W. H.	43N/10W-36L1	Etna	7	1,2, 89, 11,7			
Soares, William	44N/9W-12KI	McAdam Creek	14	60, 97, 159			
Solus, Ernest E. and Dorothy N.	42N/5W-33C2 (See Lemos, Ha	Weed rry)	12	72,104 , 166			
Solus, Francis	42N/4W-19L1	Dwinnell Reservoir	12	31, 140			
Soule, Cline	(See Soule and	Terwilliger Ditch)					
Soule, Ella D.	(See Babcock,	Martin and Soule Dit	ch)				
Soule and Terwilliger Ditch Shelley, L. L. Soule, Cline	45N/4W-19L2	Little Shasta	3	49, 93, 152, C-17			

Diversion name	Orversion		References				
or owner	Location	Subunit	Plote 2 Sheet No.	Text and appendixes Page No.			
Southern Pacific Company	41N/4W-18P1	Weed	15	66, 101, 163			
Spada, Ernest and Rosina	42N/5W-21N1 42N/5W-28D1 42N/5W-29A1	Weed Weed Weed	12 12 12	70, 103, 140 71, 104, 140, 165 72, 104, 140, 166			
Spada, Ernest and Rosina Sullivan, Lawrence E. and Myrtle P	42N/5W-28C1	Weed	12	71, 104, 165			
Star Ranch, Inc.	43N/9W-3H2 (See Davidson,	Lower Scott Valley W. T.)	7	54, 95, 155, C-16			
Sudderath, Clifford	(See Alger Dit	sch)					
Sullivan, J. B.	40N/9W-21A1 40N/9W-23N1	South Fork South Fork	16 16	65, 162, 3-15 65,100, 162			
Sullivan, Lawrence E. and Myrtle P.	42N/5W-28E2 42N/5W-28K2 (See Spada, Er	Weed Weed mest and Rosina)	12	71, 104, 166 72, 104, 166			
Tamisiea, Minníe A.	45N/5W-33G1	Little Shasta Little Shasta Little Shasta Little Shasta Little Shasta	3 3 3 3 3 3 3 3 3	51, 15h 51, 15h 51, 15h 51, 15h 51, 15h 51, 15h 51, 15h			
Taylor, James W.	43N/5W-3Rl 43N/5W-23Hl	Dwinnell Reservoir Dwinnell Reservoir		32, 84, 141 33, 141			
Taylor, Ray	(See Barker Di (See Huddle, T						
Tebbe, Albert	(See Brown, Jo	osephine)					
Terwilliger, Sidney F.	45N/4W-18G1 45N/4W-20B2 (See Harp Dito	Little Shasta Little Shasta ch)	3	h8, 152 49, 152			
Tibbs, Jess L.	44N/9W-24P1	McAdam Creek	2,	60, 98, 159			
Timmons, J. T.	41N/9W-9Ll (See North For (See Ball, C.	Callahan k Ditch 41N/9W-21N1) A.)	13	29,82,138			
Tozier Brothers	44N/10W-25Nl 44N/10W-35Fl (See Bruce, Me (See Chester,			58 59,97,158			
Tucker	(See Pearson,	Casey)					
Tupper, Ellen	41N/5W-17F3	Weed	15	69,102,C-18			
Tuttle, R. B.	(See North For (See Ball, C.	k Ditch 41N/9W-21N1)					

Diversion name	Diversion		References					
or owner	Location	Subunit	Plote 2 Sheet N					
U. S. Bureau of Indian Affairs; Quartz Valley Indian Reservation	(See Camp Dito (See Freitas I							
Valentine, William W. (Jr.)	43N/5W-15RL 43N/5W-21B1 43N/5W-22B1	Dwinnell Reservoir Dwinnell Reservoir Dwinnell Reservoir	9 9 9	33, 141, c-16 33, 141, 161 33, 141, 161				
Vanderbilt, George and Anita Zabella	41N/6W-1D1 41N/6W-2F1	Stewart Springs Stewart Springs	14 14	66,100, 163 66,100, 163				
Vidrickson, H. L. and Louise C.	42N/5W-25N1 42N/5W-25N2 42N/5W-26J1 (See Belcastro (See Hoy, A. 1	Weed Weed Weed Mike)	12 12 12	70, 103, 165 70, 103, 165 71, 165				
Victor, E. F.	(See Costa, Fr	rances)						
Vincent, L. H.	42N/9W-4Rl 42N/9W-9Gl	Etna Etna	10 10	39, 88, 146 40, 88, 146				
Wagner Brothers	42N/9W-22Rl 42N/9W-28Jl (See Etna Mill	Etna Etna L Ditch)	10 10	41, 89, 146 41, 89, 146				
Walker, Vernon	(See Barker Di	itch)						
Walter, Ernest and Zelma	44N/7W-9Rl 44N/7W-10Ml	Yreka Creek Yre ¹ -a Creek	5 5	76, 106, 169 76, 106, 169				
Valters, Larry	(See Davis, E.	Orlo and Margaret A.)					
Wanaka, W. E.	44N/6W-31D1	Grenada	5	47, 92, 151				
Waters, Emily S.	(See King, Ker	meth)						
Yatson, Donald E. and Illene D.	44N/6W-3M1 44N/6W-3N2 45N/5W-3OJ1 45N/6W-34J1	Little Shasta Little Shasta Little Shasta Little Shasta	5 5 3	48, 93, 152 48, 93, 152 51, 94,153, C-16, C- 54, 155				
Weed Ditch Folendorf, R. A.	43N/10W-9KL	Lower Scott Valley	7	55, 95, 156				
Wellons, William	(See Alexander	r, Frank)						
White, Phoebe	(See Musgrave	and Linton Ditch)						
Hilliams, Glen	44N/4M=4KT	Little Shasta	6	47, 151				
Colford Brothers	41N/9W-25G1 (See Barnes, G	Callahan Slenn)	13	30,				
Tright and Fletcher Ditch Suster, C. Slondenning Brothers H. Hunn, H. Luckenmynor Marlin, Bruce ose, George Corpa, Joe	43N/10W-36ML	Etna	7	42,90,147,157				

Diversion name	Oiversion		References					
or owner	Locotion	Subunit	Plate 2 Sheet No.	Text and oppendixes Page No.				
Young, A.	45N/7W-27R1	Yreka Creek	2	78				
Young, Leland	42N/9W-7F1 42N/9W-7J1 (Sce Simmons,	Etna Etna Frank)	10	40, 88, 146 40, 88, 146				
Yreka, City of	45N/7V-22J1 45N/TW-23D1 45N/7V-29L1 45N/7V-33A1	Yreka Creek Yreka Creek Yreka Creek Yreka Creek	2 2 2	20, 78, 107 20, 78, 107. C-17 20, 78 20, 79, 107, C-18				
Zwanziger, Roger	4217/5W-36H2	Need	12	73, 105, 167				



CHAPTER III. LAND USE

A thorough understanding of historic and present land and water uses in Shasta-Scott Valleys Hydrographic Unit is essential to the determination of future water requirements in the area. The results of a survey of surface water facilities were presented in Chapter II. The results of a 1958 survey of present land uses are presented in this chapter.

Historical Land Use

The Shasta-Scott Valleys Hydrographic Unit, located in Siskiyou County, has followed a development pattern closely related to that of the county. Siskiyou County was formed by the State Legislature in 1852 from parts of Shasta County and the since-dissolved Klamath County. The California-Oregon Trail, a pack trail for gold miners in the early 1850's and a state route in the later 1850's, brought many pioneers and adventurers into and through the county's valleys and mountains.

Gold mining activities resulted in a rapid increase in population during the 1850's. However, as was the case in other gold mining areas of the State, a decline in population followed the depletion of the more readily accessible ore deposits.

During its early development period, agricultural production in Siskiyou County was characterized as self-sufficient and, because production was used largely for local consumption, it was relatively diversified. Aided by the presence of plentiful, cheap, and fertile land, agriculture was sufficiently developed by 1869 to support agricultural fairs in the county,

wherein field crops, orchards, dairies, and livestock were represented. The local demand for agricultural products created by the miners in the area then began to subside, and by 1877 the reduction in gold production had so seriously affected the local market for agricultural output that wool, butter, and flour were being shipped to the Sacramento Valley. Between 1869 and 1877, butter and cheese production declined, while hay and fruit production increased. During this time, the principal products were small grains, corn, beans, peas, potatoes, and other vegetables.

After 1900 the shift to beef cattle production in Siskiyou County was accelerated, and farm holdings became larger and less numerous. Total acreage in farm holdings increased from 455,900 acres in 1900 to 537,400 acres in 1920, while improved acreage declined from 186,100 to 166,600. Value of livestock on farms increased from \$1,280,000 in 1900 to \$2,085,000 in 1910, and to \$3,788,000 in 1920. Principal crops in the county in 1920, in order of value, were hay and forage, cereals, vegetables, fruits, and nuts. Between 1910 and 1920, the land area under irrigation increased from 60,300 to 65,600 acres, and the number of irrigation systems increased from 455 to 572.

The lumber industry in Siskiyou County has existed since shortly after the county was formed, with Weed being the center of lumbering activity since about 1900. Lumber production has tended to follow the cycles of general business activity, and was relatively active in the 1920's, relatively inactive in the 1930's, and very active since 1945. Production since 1945 has increased from an annual output of 172 million board feet in that year, to an estimated 558 million board feet in 1958.

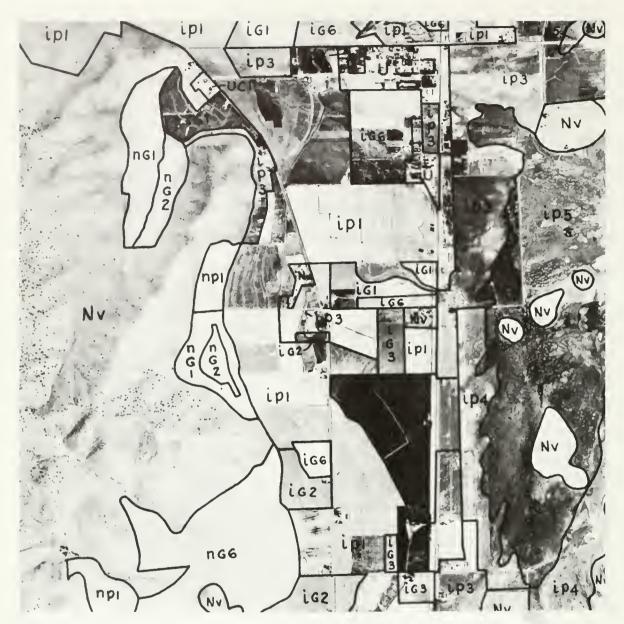
Present Land Use

A detailed land use survey was conducted In the Shasta-Scott Valleys Hydrographic Unit during the spring of 1958, in which the area was mapped according to the uses of the land, such as irrigated agriculture, dry-farmed agriculture, urban development, or recreational development. The results of this survey are presented on Sheets 1 through 18 of Plate 2, "Land and Water Use, Shasta-Scott Valleys Hydrographic Unit." The areas of land use within each subunit are listed in Table 8.

Methods and Procedures

The survey was accomplished by plotting field observations on aerial photographs having a scale of approximately 1 to 20,000. As the present use of each parcel of land was determined, it was delineated on the aerial photographs. The area was traversed by automobile as completely as roads and trails permitted. This coverage was supplemented by inspection on foot and stereoscopic studies of the photographs in areas not easily accessible. An example of an aerial photograph with delineated land use data is shown on page 134.

After completion of field mapping on these photographs, the delineations were transferred to U. S. Geological Survey quadrangle sheets at a scale of 1 to 24,000, in order to bring the various delineated areas to a common scale. The scale of aerial photographs is not uniform and changes rapidly in mountainous areas where there is considerable variation in elevation. After projection onto the quadrangle maps, the area of each



Example of Land Use Delineated on Aerial Photograph

Symbols used on this photograph:

iPl	-	irrigated	alfalfa	nPl	_	dry	farmed	alfalfa
iP3	_	irrigated	mixed pasture	nGl	-	dry	farmed	barley
1P4	_	irrigated	native pasture				farmed	
iP5	_	irrigated	meadow pasture	nG6	-	dry	farmed	miscellaneous
iGl	-	irrigated	barley			ha	y and a	grain
1G2	_	irrigated	wheat	U	-	urba	an	
1G 3	_	irrigated	oats	UCl	-	urba	an comme	ercial
iG6	_	irrigated	miscellaneous	NV	_	nati	ve vege	etation
		hay and	grain					

TABLE 8

LAND USE IN

SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958

(In acres)

Subunit	Irrigated		lly high le lands	Dry-farmed	Urban	Recreationa	
	londs	Meadawlands	Marsh lands	londs	lands	lands	
Ball Mountain	120	100	0	10	0	10	
Callahan	5,320	0	0	1,180	100	0	
Dwinnell Reservoir	7,600	120	80	3,860	10	0	
East Fork	1,980	180	10	530	10	0	
Eddy Creek	410	190	0	60	0	0	
Etna	17,110	20	0	3,650	250	10	
Grass Lake	0	470	1,180	0	10	10	
Grenada	14,720	810	60	5,810	170	0	
Kidder Creek	0	40	0	0	0	0	
Little Shasta	18,160	130	20	18,930	500	0	
Lower Scott Valley	6,540	40	0	1,050	30	0	
McAdam Creek	790	0	0	1,750	130	0	
Moffett Creek	130	0	0	500	10	0	
Parks Creek	4,200	960	30	390	0	0	
Shackleford Creek	0	360	0	0	0	0	
South Fork	400	340	0	0	0	0	
Stewart Springs	70	60	0	10	0	10	
Weed	3,870	160	0	130	720	40	
Willow Creek	220	30	0	0 1,160 0		0	
Yreka Creek	1,000	10	0	1,360	1,340	10	
TOTALS	82,620	4,020	1,380	40,380	3,280	90	

parcel of land was determined. These are gross areas without reduction for roads, farmsteads, canals, and other rights-of-way which occur within the mapped areas.

Irrigated Lands

Irrigated lands, as presented in this report, include all agricultural lands which receive applied water. The area irrigated within each subunit is reported in Table 9 by diversion and by crop. Although the irrigated lands are tabulated under the name of the subunit within which the lands are located, it should be noted that the diversion serving the lands may originate in another subunit.

In Table 9, irrigated lands are segregated into pasture, alfalfa hay and pasture, grain, hay, truck and field crops, orchard, and into those lands which are normally irrigated but which were idle or fallow during the year of survey. Pasture lands are subdivided into mixed, native, and meadow pasture, the latter comprising native pasture lands having a high water table induced by application of irrigation water. Grain is subdivided into barley, wheat, and oats. Hay is subdivided into alfalfa hay, and miscellaneous and mixed hay and grain. Truck crops are subdivided into potatoes and miscellaneous truck. Field crops are subdivided into sugar beets and corn. Orchard is subdivided into apples and miscellaneous deciduous.

On the land and water use maps, Plate 2, lands irrigated by surface water are shown in three categories: (1) those which received a full irrigation in 1958, (2) those which received

IRRIGATED LANDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958
(In acres)

TABLE 9

												*							
	10401		19	52	29	1,2	115		63	~	27	1, 420*	15	33	M	179	15	36	77
	¥0 0*					1	0												
-	9 0						0					30	15				15		
Total	irrigated		19	25	59	1,2	115		63	m	27	1,390*		33	W	179		36	-3
	Orchard						0					2		ч					
Truck	craps						0												
	—— Хон						0					578					-		
	Oats	TINO					0					20							
Grain	Wheat	MOUNTAIN SUBUNIT					0	 N SUBUNIT				20							
	Barley	BALL MOUN					0	CALLAHAN				28							
Alfolfa	pasture	BA				-	0	_	п			614		7					
	Meadow		19	25	59	1,2	3115												
Pasture	No 1: ve						0		27	Μ	27	88			w	911		36	-7
	Mixed					1	0		25			761		80		09			
Oiversian name	Sec NO		Goose Neet Properties, Inc.	Goose Nest Properties, Inc.	Ida A. Martin	Ida A. Martin	Total Ball Mountain Subunit		Alger Ditch	Hazel Owens	Bonnie Fowler	Farmers Ditch Co.	C. W. Birdwell	Alfonso Fuglistaler	H. Jorgen and Elinore Danielson	Glenn Barnes D. H. Lafevors	C. W. Birdwell	C. W. Birdwell	C. W. Birdwell
000000000000000000000000000000000000000	location	M D B & M	45N/3W-9A1	L5N/3W-9A2	L5N/3W-14F1	L5N/3W-15H1	Total		1,0N/8W-17J1	LON/8W-20R1	LON/97-1C1	LON/9W-1J1	LON/9W-1R1	LON/9w-LQ1 LON/9w-7H1 (South Fork Subunit)	LON/94-5K1 (South Fork Subunit)	LU11-W9/NOU	משוו-אפ/אסק	LON/94-12F1	LON/9W-1272

*- Includes 102 acres normally irrigated jointly with UlN/9W-13E1.

TABLE 9 (Continued)
IRRIGATED LANDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958
(In acres)

		10101		80	9р	217	100	K	106	150	27	83	116	586	959	13
	:	*o∏0*														
	4	olle													27	
	Total	irrigated		80	76	217	100	35	106	150	27	83	911	286	628	13
		Orchard	•••													
	Truck	Craps														
	:	НОУ				25		16						10		
		Oats	ontinued)						16					70	2	
6000	Grain	Wheot	CALLAHAN SUBUNIT (Continued)													
		Barley	AHAN SU			27			32				22	52	137	
	Alfolfo	posture	CALL			110			31		114	39	63	186	21/12	w
		Meadow					m					31			9	
	Posture	Notive		8	76		719								170	
		Mixed				58	33	19	27	150	13	13	31	52	66	∞
	Oiversion name	Owner		Andrew L. Darbee	Allen Moore	Scott Valley Irrigation District	J. T. Timmons	C. A. Ball R. E. Richman H. Green C. A. Ball	C. A. Ball R. E. Richman	C. A. Ball	C. A. Ball V. Berthelson	H. Green	H. Green Elsie E. and William M. Cory John H. and Eleanor Mason H. Green	C. A. Ball R. E. Richman K. Green	North Fork Ditch	Oscar A. and Edlean R. Lolax
	Constant	location	M D B C M	LON/9w-15K1 (South Fork Subunit)	LON/9W-23G1 (South Fork Subunit)	1111/94-281	L18/94-911	113/9W-10G1 113/9W-1511	LH1/9W-10H1	1211/9W-11E1 1311/9W-13E1	LLN/9n-15A1	L1N/9W-15G1	121/94-1501 111/94-2831	113/94-1511	LN19W-21N1	L11/9W-21P1

TABLE 9 (Continued)
IRRIGATED LANDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958
(In acres)

	Total		66	38	25	191	703	65	w	68	7/7	777	120	5,319	
	Follow						7							2	
	e e											272		359	
Total	irrigated		66	38	25	191	396	65	W	89	77	197	120	11,953	
	Orchard							1						7	
Truck	crops													0	
	уон					37	1,7	Ħ						207	
	0018	ntinued)			3			13				2		101	
Grain	Wheat	CALLAHAN SUBUNIT (Continued)												50	
	Borley	AHAN SU				73	73				29	26		538	
Arfolfa	pasture	CALL	13	80	55		180	2				79	14	1,138	
	Mendow											~		1,2	
Pasture	Notive						٥	0		11	517			151	
	Mixed		86	30		81	87	36	۱۸	57		77	106	1,852	
Oiversion name	owner		John H. and Eleanor Maeon	Oscar A. and Edlean R. Lolax	Eleie E. and William M. Cory	Suzie N. Denny, et al	Glenn Barnes H. A. Fisher D. H. LaFevers Wolford Brothers	Elsie E. and William M. Cory John H. and Eleanor Mason H. Green	Henry and May Aker	Harry M. and Nartha B. Bemrod Walter L. and Barbara B. Byer	Robert E. and Louise Lewis	W. J. Halliday North Fork Ditch	Lands irrigated by ground water	Total Callahan Subumit	
Diversion	location	MDB&M	LM/9W-22M1	LIN/9W-22M2	L1N/9W-22P1	L1N/9W-2LF1	L1N/9W-25F1	11/9w-28B1	L13/94-28C1	L1N/9W-32A1 (South Fork Subunit)	LUN/974-34D3	L2N/9W-28Q1 (Etna Subunit) L1N/9W-21N1	Lands irri		

TABLE 9 (Continued)
IRRIGATED LANDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958
(In acres)

																	$\overline{}$
	10101		20	21/2	37	83	96	294	27	77	19	25	33	31	399	æ	20
	FOILOW																
	9								3								
Total	irrigated		50	277	37	83	96	291	217	17.7	19	59	33	31	399	31	20
-	Orchard																
Truck	ond field crops																
	Нау																
	Oots	SUBUNIT				1,5	15										
Grain	Wheat	RESERVOIR															
	Barley	ELL RES										-	19				
Aifalfa	posture	DWINNELL											777	9			
	Meadow		13					273			19						
Pasture	Nofive					38	81		21/1	N				25			
	Mixed		7	217	37			21		1,5		65			399	31	20
Diversion name	OWING		Francis Solis	Maybelle B. Mills	Maybelle B. Mills	Maybelle 3. Mills	Maybelle B. Mills	Maybelle B. Mills	Maybelle B. Mills	Ernest and Rosina Spada	Samuel C. Jackson	Samuel C. Jackson	Samuel C. Jackson	Frank Alexander William Wellons	Ellis J. Louie	Ellis J. Louie	Ellis J. Loufe
000000	location	X 2 8 C X	L2%/LW-19L1	L2N/5W-15F1	L23/5W-15M2	L2%/5W-16C1	L23/5W-16N1	L234/5W-20A1	L2W/5W-20A2	L2:1/5x+21X1 (Weed Subunit) L2:1/5x-291 (Weed Subunit) L2:1/5x-291 (Weed Subunit)	L2N/5W-22C2	L2N/54-22L1 (Weed Subunit) L2N/5W-22C1	12N/5w-22Rl (Weed Subunit)	h2N/5W-28El (Weed Subunit)	L3N/5W-3K2	L3N/5W-3K2 L3K-W-3K2	L3W/5W-301

TABLE 9 (Continued)
IRRIGATED LANDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958
(In ocres)

-																			
	i	MO 0				10													
	;	9 D		16		20				no									
	Total	irrigated		369	52	2,072	138	213	110	75	99	103	95	167	129	159	148	827	
	;	Orchard				7		•											
	Truck	crops				34													
	:	чау	led)			15													
	Ì	Oats	SUBUNIT (Continued)			7													
	Groin	Wheat			_														_
		Barley	RESERVOIR			57	35							-					
	Aifolfo	posture	DWINNELL R	7,0		755													
		Meadow	MQ	20		2		213	8			84	99	167	129			\$	
	Posture	Notive		2	4.2	077			С.									19	
		Mixed		21,9	10	1,496	103		87	75	59	19				159	148	359	
	Oiversion name	o wher		James W. Taylor	James W. Taylor	Blg Springs Irrigation District	Sedgley D. Nelson	Ellis J. Louie	Ellis J. Louie	Ellis J. Louie	Ellis J. Louie	Ellis J. Louie	Ellis J. Louie	William W. Valentine, Jr.	William W. Valentine, Jr. James W. Taylor	William W. Valentine, Jr.	William W. Valentine, Jr.	James W. Taylor	
	9	Lacation	MDBGM	43N/5W-3R1	43%/5W-3R1 43%/5W-23H1	4311/5W-3H2	43H/5W-5D1	43N/5W-9G1 43N/5W-3K1 43N/5W-3Q1	43N/5W-9G2 43N/5W-9G3	1,311/5W-911	43N/5W-9R1 43N/5W-10D1	43N/5W-10D1	434/5W-15D1	43N/5W-15Hl	43H/5W-15R1 43N/5W-23H1	4,3N/5W-21B1	43N/5W-22B1	4311/5W-23H1	

Total

2,132

 14,8

TABLE 9 (Continued)
IRRIGATED LANDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958
(In acres)

	Tatal		626	213	77	173	125	577	18	232	87	418	7,599
	Follow											15	25
	olle		26	95									159
Total	irrigated		009	157	77.7	173	125	577	18	232	87	703	7,415
	Orchard											1	N
Truck	ond field craps												34
	Ноу	nued)	92									2	100
	Oots	SUBUNIT (Continued)			,							7	12
Groin	Wheat												0
	Barley	RESERVOIR								111		13	235
Alfolfo	posture posture	DWINNELL	917							26		224	1,277
	Meadow	٥				77					99	12	1,145
Pasture	Notive	·	5	58	17	13			18	-			773
	Mixed		103	66	7	146	125	577		ಸೆ	8	138	4,122
Diversion nome	owner		Dwinnell Reservoir	Marvin L. and Inez M. Miller	Kenneth King Marvin L. and Inez M. Miller Enily S. Waters	Kenneth King Enily S. Waters Kenneth King Marvin L. and Inez M. Miller Emily S. Waters	Charles D. Messerall	Aubrey J. Kunes	Charles O. Messerall	Donald and J. Coonrod	Cloak Lake Charles T. and Ellen B. Drummond	Lands irrigated by ground water	Total Dwinnell Meservoir Subhnit
	Location	MDB&M	43N/5W-25L1	43N/5W-25M1	43N/5W-26A1	43N/5W-26C1 43N/5W-26A1	44N/4W-15G1 44N/4W-15G1	44N/4W-16R1 44N/4W-28A1	44N/4W-21B1	44N/4W-28M1	44N/5W-20J1	Lands irriga	Total Sub

IRRIGATED LANDS IN SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958 (In acres) TABLE 9 (Continued)

													_		-				_	-	. 0	
6	5		12	15	42	106	11	12	18	12	28	6	20	13	99	9	56	99	34	7	99	
2						7																
	2						11			12			20	13								
Total	irrigated		17	15	4.2	96		12	18		28	6			99	9	52	26	34	7	999	
Truck	sdoro																					
	,								-													
	0018	E																				
Groin	Wheot	K SUBUNIT																				
	Barley	EAST FORK																				
Alfalto	pasture	ш _							3						7							
	Meadow			-																		
Posture	No 1 · · ·		11		20	7/4					28	_			174	9	56	99				
	Mixed		10	15	34	23		12	15			6			35				34	7	95	
Diversion name	Lecso		A. E. Michardson	Charles L. Mich	Laurence Franklin	Charles L. Mich	Mrs. W. C. Harmon	Laurence Franklin	Laurence Franklin	Nerva M. Hayden	Nerva M. Hayden	Frank J. Hayden	Frank J. Hayden	R. B. Hayden	Nerva M., Hayden Hazel Owens	Kodney Hamilton	Modney Hamilton	Rodney Hamilton	Frank J. Hayden	Frank J. Hayden	Carl McConnell	
Oiversion	Locotion	MDB&M	107-W7/NO4	17L-ML/NC7	40N/7W-7L2	TH8-ML/NC"	40N/7m-18C1	40N/7W-18E1	40N/7W-20A1	4.11/8W-2B1	4,0N/8W-201	40N/8W-13L1	1971-M8/KC7	LOS/PW-1501	40N/8W-15R1	40N/RW-22L1	47N/RW-22L2 40H/RW-22F1 40N/RW-35E1	40N/PW-22P1 40N/BW-35E1	4.0N/8W-2381	LON/8W-23D1	41N/7W-11G1 41N/7W-11F1	
										_												

TABLE 9 (Continued)
IRRIGATED LANDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958
(In ocres)

	Diversion nome		Pasture		Alfolfo		Groin			Truck		Totof			
Location	O W ner	Mixed	No t iv	Meadow	posture posture	Borley	Wheot	Oats	Ноу	and field crops	Orchord	ionds	e p	Follow	Totol
HDB&M					EAST	FORK SU	SUBUNIT (C	(Continued)							
LLN/7W-LLB1	Carl McConnell	07		_								07		-	07
41N/74-14D1	Rodney Gregg		12									12			12
113/7W-15E1	Rodney Gregg		6									6			6
171/7W-15F1	Rodney Gregg	52	55			10-1			77			131			131
41N/7W-15F1 41N/7W-16P1	Rodney Gregg	36	N									38			38
LM2/74-16H1 LON/64-8M1	Rodney Gregg		13									13			13
413/7#-16K1	Carl McConnell	2	10									17			17
IM91-M2/NI7	Rodney Gregg	72		٧.								90			20
L1N/74-18G1	Carl McConnell				72							72			72
IN61-ML/N17	Carl McConnell	m			2				17			22			22
41N/7W-20H1	Carl McConnell	299	7								2	308			308
41N/7W-20R1 40N/7W-14A1	Carl McConnell		174									14			17,
41N/7W-21Pl 40N/7W-13Al	Rodney Gregg		9									9			9
41N/7W-28H1 41N/7W-21C1 40N/7M-13A1	Rodney Gregg	8										R			8
4111/7W-30A1 40N/7W-14A1	Carl McConnell	199			39							238			238
41H/7W-30H1 40H/7W-14A1	Carl McConnell	9										9			9
41N/8W-23C1	Dudley-Parker Manch	18										18			18

IRRIGATED LANDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958
(In acres) TABLE 9 (Continued)

TABLE 9 (Continued)
IRRIGATED LANDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958
(In acres)

- 1																					
		1010		3,756	333	346	125	011,1	152	157	2177	767	88	84	79	19	272	127	235	122	780
		FOILOR		77				Fη			38							79	_		
		ldle		35		16										13					~
	Total	irrigated		3,707	333	330	125	1,067	152	157	176	7067	88	38	19	9	272	63	235	122	777
		Orchard																		·	
	Truck	crops																			
		Н		56Ы						11,							16ª		33	7	28
		0015		101		58													15		
	Grain	Wheat	SUBUNIT	76											·		57ª				154
.		Barley	ETNA	332		58	10a			15	06	1717	19	-			115ª		15		133
	Alfolfa	pasture		1,827		143	101			151		195	1,8	69				16	OTT	20	130
		Meadow		18							∞							72			
	Pasture	Notive		32	61		ща										7 a				w
		Mixed		1,039	272	129		1,067	152	27h	78	251	23	15	79	9	77ª	23	32	65	327
	Oiversian name	owner.		Scott Valley Irrigation District	L. H. Vincent	Leland Young	Frank Simmons Leland Young	Carl McConnell	L. H. Vincent	Carl McConnell	Ernest Bigham	Carl McConnell	Margaret Bigham	W. D. Mathews	Wagner Brothers	F. Douglas Horn	F. Douglas Horn	Wagner Brothers	Carl Hammond	J. R. McNames	Etna Mill Ditch
	000	location	N Y B C	182-%6/NTT	12N/94-1R1 12N/94-901	L2N/9W-7F1 L2N/9W-7J1	L2N/94-8ML	12%/%n-9F1	12./9W-9GI	1211/94-17H1 1211/94-17M2	L2N/9W-17H2 L2N/9W-16E1	L211/94-17M1	1211/94-17M2	L2N/94-2011	L2N/94-22R1 L2N/94-32R1	1221/94-2611	L2X/94-27M	L2N/9W-28Jl	L2N/9W-2951 L2N/9W-29H1	L2N/94-29G2	L2N/9W-32R1

a - Received partial irrigation.

IRRIGATED LANDS IN SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958 TABLE 9 (Continued)

(In acres)

	Total	• •	23	07	335	309	265	16	242	142	1,686	7	1,608	3,741	17,109	· ·		
	Fallow													16	175			
	1dle										11				18			
Total	lands		23	01	335	309	592	16	242	1,2	1,675	2	1,608	3,731	16,856			
	Orchord										80		_		00			
Truck	and field crops														0			
	Ноу					37					716		165	539	1,197			
	Oats	inued)											12	108	265	SUBUNIT		s subunit,
Grain	Wheat	SUBUNIT (Continued)											15	183	503	LAKE SUBI		ted in thi
	Borley	ETNA SUBUI		2	22				19	211			98	338	1,311	GRASS LA		(No diversions located in this
Alfolfa	hay and posture	ET		38	229				120		122		289	851	4,920		 	(No diver
	Meodow													9	95			
Posture	N		23		718								288	756	1,273			
	Mixed					272	265	16	103	_	1,451	2	355	247	7,323			
Oiversian name	or owner		Kenneth Depew	W. T. Davidson Star Ranch, Inc.	B. F. Davidson	Glendenning Brothers	Thomas V. Huddle	Thomas V. Huddle Ray Taylor	John T. Jenner	John T. Jenner	Barker Ditch	W. H. Smith	Wright and Fletcher Ditch	Lands irrigated by ground water and sub-irrigated lands	Total Etna Subunit			
	Diversion	MDB&M	L2N/9W-33EL	ly3%/9W-2Gl (McAdam Cr. Subunit)	13N/9W-11M	b3N/9W-28G1	43W/9W-31A1	43N/9W-33C1	12N/9W-34Q1	4311/94-34Q2	13N/10W-35R1	L3N/10W-36L1	L3N/10W-36M1	Lands irri and sub-	Total			

TABLE 9 (Continued)
IRRIGATED LANDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958
(In acres)

	Total		2,376	113	9	20	698	38	16	213	143	977	Φ	53	86	62
	Fallow		207	-7												62
	Idle															
Total	irrigated		2,175	109	9	20	869	38	16	213	143	977	80	29	86	
	Orchard															
Truck	and field craps															
	Hay		101	07				12								
	Oats	L				•										
Grain	Wheat	SUBUNIT	087							35				19	23	
	Barley	GRENADA	1511	17					16	19	143	32	60	10		
Arfalfo	posture		200	30			53	56		26	•				09	
	Meadow		299	16	9	10	1,68	_								
Pasture	No tive		79							11,					15	
	Mixed		262	6		10	177					77				
Oiversion name	owner		Edson-Foulke Yreka Ditch Co.	Edson L. Foulke	Edson L. Foulke	Edson L. Foulke	Edson L. Foulke	Fred Carpenter	Dan Shelley	Dan Shelley	Dan Shelley	Dan Shelley	Glen G. Maxwell	Dan Shelley	Dan Shelley	Howard Damron
0000000	location	23 20 21 21	hlly/5%-9Pl (Weed Suburit) hlly/5%-6Dl (Parks Cr. Suburit)	L2N/6W-2Pl LLN/5W-9Pl (Weed Subunit)	L2N/6w-2P1 L2::/6w-2P2	L2N/6:-2P2	L2N/6w-3H1 L1N/5w-9P1 (Weed Subunit)	L2N/6W-3R1	L2N/6w-9P1	1221/681-921	L2N/6w-901 L2N/6w-19A1 (Willow Cr. Subunit)	L2%/6/1-9R1	1,2N/6W-10L1	L2X/6W-16C1	L2N/6w-16c1 L2N/6w-19x1 (Willow Cr. Subumit)	12N/6w-1631

IRRIGATED LANDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958
(In acres) TABLE 9 (Continued)

Diversion	Oiversion nome		Pasture		Alfalfa		Groin			Truck		Total		-	, i
location		Mixed	No +	Meodow	posture	Borley	Wheot	Oots	ý pr	craps	P. D.	irrigated	9 0	X	5
					GRENADA	l .	SUBUNIT (Continued)	finued)							
NDBRW						_	_								
L2N/6W-17Kl (Willow Cr. Subunit)	Howard Dauron	177	70		5th	12						55			55
L2N/6W-17L1 (Willow Cr. Subunit)	Howard Damron			-		27	377					55			55
L2W/6W-19A1 (Willow Cr. Subunit)	Lan Shelley				117							711			711
L2N/64-2LM1 (Parks Cr. Subunit)	Ernest Bridwell			77								77			77
L3N/5W-5D2	Sedgley D. Welson												917		917
43N/54-651	Grenada Irrigation District	324	51		775	181	817	37	89			1,541			1,541
L311/54-6D2	Huesman Ditch	348	79	705	31	15			13			1,176			1,176
1,3N/5:1-6D2 1,111/6W-25F1	Huesman Ditch Jerald Jenkins			171	31							202			202
L3N/6W-2L1	Samuel Bruinsma		172	7								179			179
L3N/64-11B1	Samuel Bruinsma			12								12			12
L3N/6w-23N1 L3N/6w-1LN1 L3N/6w-22R1 L3N/6w-26C1	J. L. Price	308		313								621		18	639
113N/6W-2LE1	Mills Ranch Corp.			87								87			87
L3N/6W-25D1	Edson L. Foulke			חננ								111			114
L3N/6W-26H1	Edson L. Foulke			12								12	38		50
L33/64-26H2	Edson L. Foulke			23								23			23

TABLE 9 (Continued)
IRRIGATED LANDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958
(In acres)

	Total			387	118	55	10	1,1,1	128	16	ß	33	77	11/2	58	517	56	77	87	112	11.7	75
	010															19		6				
	adle						-															
Total	irrigated			387	118	55	~	1,474	128	16	51	33	14	142	58	35	56	89	87	112	117	75
	Orchard														5							
Truck	crops																					
	Н							16	56						26			38				
	Oofs	ntinued)						30	-													
Groin	Wheof	UNIT (Cor						-														
	Barley	GRENADA SUBUNIT (Continued)						138			19			11	27							
Alfolfa	pasture	GREN		70				291	91				6	128		23	56					75
	Meadow			287	13	55	9	263				33	ν.						75	73	117	
Pasture	No + i			22	w			12											12	39		
	Mixed			38	100			717	11	16	32					12		30				
Orversion name	0 O V D B C			Edson L. Foulke	Charles T. and Ellen B. Drummond	Charles T. and Ellen B. Drummond	Charles T. and Ellen B. Drummond	Shasta River Water Users Association	John L. Doren	John L. Doren	Williard and Merl Freeman	John L. Doren	Roland Ekstrom	Sarah Orr	R. E. H. Jullen	R. E. H. Julien	R. E. H. Julien	R. E. H. Julien	Jerald Jenkins	Samuel Bruinsma	Samuel Bruinsma	Sarah Orr
2	location		N N N N N N N N N N N N N N N N N N N	h3N/6W-3LR1 LLN/5W-9P1 (Weed Subunit)	14M/5W-2011 14W/5W-20P1 14K/5W-29C1	LLN/5W-1961 LLN/5W-20M1	LLN/5W-20M1	MAN/64-3N1 (Little Shasta River Subunit	141×/64-381	LR1/64-LR1	LAU-1041	נווו-67/111	TAME THAT	LLW/6w-20R1	Uhr/64-21A1	141/6W-21A2	LLN/6W-21C1	LLN/64-22D1 LLN/64-21A2	17.76W-25FI	LL:1/6W-26C1	My/64-2641	ปม /6v-29B1

TABLE 9 (Continued)
IRRIGATED LANDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958
(In acres)

Diversion	Diversion nome		Pasture		Arfolfo		Groin		:	Truck		Total			
locotion	o o o o	Mixed	Notive	Mendow	posture	Barley	Wheot	0015	Ноу	crops	Orchard	irrigated	die	Fallow	Totol
数 の の 対					GRENADA		SUBUNIT (Continued)	(juned)							
144N/6w-29E1	William J. Gallarda	17ª										17			17
444/64-30H1 444/64-30H2	William J. Gallarda				00				16			24			211
hhy/6и-30кт hhi/6и-30Рт	William J. Gallarda						18	-				18			18
LLN/64-31D1	W. E. Wanaka				80							00			œ
LLW/6W-35E1	Samuel Bruinsma		52	107								159			159
44W/6W-35E2	Samuel Bruinsma	7	87	121								215			215
LLLV/TW-22H1	Ralph J. Jarvis												큐		77
LALIN/TW-22KI	Ralph J. Jarvis												23		23
Lands irrig	Lands irrigated by ground water	707	270	66	621	103	91		179	77	m	1,771	19	911	1,957
Lands sub-1rrigated	rrigated		15	995								010,1			1,010
Total	Total Grenada Subunit	2,847	917	h,566	3,064	1,274	162	19	556	77	80	17,091	195	432	14,718
					. ă	KIDDER CREEK	EK SUBUNIT	Fin							
					(No divers	(No diversions located in this subunit	ed in this	subumit)							
					. F	LITTLE SHASTA	STA SUBUNIT	FIND							
L3N/5W-25L1 (Cwd.nnell Reservoir Subunit)	Dwinnell Reservoir	1,275	238	21/1	2,031	304	11.5	-	388	35		4,637	137	720	5,494
LLN/LW-LE1	E. Orlo and Margaret A. Davis					32				-		32			32
באון-איון/איזיון	Glen Williams	59										58			59

a - Received partial irrigation.

TABLE 9 (Continued)
IRRIGATED LANDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958
(In acres)

	Diversion name		Posture		Alfolfo		Groin			Truck		Totol			
location	O W D & C	Mixed	No ? i ve	Meodow	hoy and posture	Barley	Wheat	0015	Ноу	and field	Orchard	londs	ıdle	Follow	Totol
2. 2. 2. 2. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.					LITTLE 8	SHASTA SI	SUBUNIT	(Confinued)	(P						
144/14-531	E. Orlo and Margaret A. Davis Larry Walters	13				21						34			34
1111/114-5X1 1111/114-5X2	E. Orlo and Margaret A. Davis				517							517			511
111/114-511	E. Orlo and Margaret A. Davis				37							37			37
क्षर-अ/स्म	Donald E. and Illene D. Watson			79								42			79
בווג-א6/אנונו	Shasta River Water Users Association	2,138	32	1,2	293	171		79	88			2,698			2,698
1444/6W-3N2	Donald E. and Illene D. Watson	50		85								105			105
1441/64-451 1841/64-481	John L. Doren	13										13			13
ull:/6%-1111 (Grenada Subunit)	John L. Doren			δ.	۱۸							77			77
L5N/LW-16B1	Harp Ditch	277										24			24
LSN/LW-16B1 LSN/LW-18C1	Sidney F. Terwilliger		7	55								32			32
L191-W1/K24	Alfred C. and Viola M. Edmonds	56	4									30			30
L5%/LW-19L2	Soule and Tervilliger Ditch	156	16	138	123	7	80	50	17	_		1,82	9	11,8	636
L51/L4-20B1 L51/L4-30K2	Haight, Deter, and Kegg Ditch Harris R. and Edyth R. Connick	509	25	325	15							871	7	20	932
L511/LW-20B2	Sidney F. Terwilliger	100										100			100
1.51/1.W-20J1	Ida A. Martin	43										1,3			1,3

TABLE 9 (Continued)
IRRIGATED LANDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958
(In ocres)

1	D 0		9	25	56	164	160	223	96	33	171	725	249		1,536	29	11	208	750
1	3000						22			21		34	36			당	9		
3	aldi							12			~	2					W		
Total	irrigated		9	25	56	164	138	211	98	12	697	689	611		1,536	26		208	750
	Orchard											11							
Truck	craps																		
	нау	g							13		07		2		е.				2.1
	Oats	(Continued)		8			30					26	143						119
Grain	Wheat	SUBUNIT										7	50						
	Barley	SHASTA						19	10		39	9	77	,				7	103
Alfalfo	pasture	LITTLE					108	109	77	12	30	128	339		102				397
	Meadow							1,8			222	24.1			1,171	56		29	78
Pasture	Notive										15	25	۲۵					30	
	Mixed		9	17	56	164		35			123	21,8	98		560			107	96
Diversian name	JOUND D		Ida A. Martin	Ida A. Martin	Ida A. Martin	Ida A. Martin	Cladys I. Hart	E. Orlo and Margaret A. Davis	Harold W. McWilliams	Ida A. Martin	Babcock, Martin, and Soule Ditch	Musgrave and Linton Ditch	Musgrave and Linton Ditch Dwinnell Reservoir		Gladys I. Hart Babcock, Martin, and Soule Ditch	L. L. Shelley D. L. Roynolds	D. L. Reynolds	Donald E. and Illene D. Watson	Earl B. and Mildred O. Flock
Diversion	location	MABUM	45N/4W-20Q1	45N/14-20Q1 15N/14-29A1	45N/4W-29B1	L5N/LW-29C1	L5N/LW-30A1	L5N/LW-30K1	LSN/5W-3M3	L5N/5W-25A1	L5N/5W-25B1	L5N/5W-25B2	L5%/5W-25B2 L3%/5W-25L1 (Dwf.nnell	Reservoir Subunit)	LSN/SW-25B3 LSN/SW-25B1	L5N/5W-25F1	L5K/5W-26R1	45N/5W-30J1	L5N/5W-32H1

TABLE 9 (Continued) IRRIGATED LANDS IN SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958 (In acres)

	Total		10	80	109	27	2h	239	38	10	526	719	66	28	98	60	153	29
								eV.									-	
	Follow					10	13		38									
	aldie																	
Total	irrigated		10	58	109	17	я	239		10	526	779	66	28	98	00	153	29
	Orchard																	
Truck	craps																	
	Нау						ä										0	
	Oats	SUBUNIT (Continued)				13												
Grain	Wheat	UBUNIT																
	Barley	SHASTA S										27					-	
Aifalfa	pasture	LITTLE SI	10							10		28	7	28				
	Meadow			1,8	109			239			226		W					15
Pasture	Native		•	10								М				_		
	Mixed					7						9	93		98	80	1111	52
Oiversian name	OWNE		Minnle A. Tamielea	Minnie A. Tamisiea	Minnie A. Tamisiea	Minnie A. Tamisiea	Minnie A. Tamisiea	J. B. Rohrer Minnie A. Tamisiea	Arthur O'Connor	D. L. Reynolds	Gladys I. Hart	G. Roland	F. A. and Joy M. Roberte	Paul Clement	Mrs. Bertha Clement Dwinnell Reservoir	Henry Flock	Earl B. and Mildred O. Flock Henry Flock	Earl B. and Mildred O. Flock
200	location	M 28 C 3:	1511/5W-33A1	LSN/54-3301	15N/5W-3301 15N/5W-3302 15N/5W-3301 15N/5W-3301	15N/5W-3LD1	LSN/5W-3LE1	LSN/SW-3LFI	LSN/5W-35B1	L511/5W-35B2	4511/5W-35F1	L5N/6W-3EQ	L5N/6w-701	45H/6W-8A1	1537/64-8F1 L337/54-25L1 (Dwirnell Reservoir Subunit)	L5%/64-18H1	15%/64-2041 15%/64-2091	L511/64-2001

TABLE 9 (Continued)
IRRIGATED LANDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958
(In acres)

Commutation																
State Stat		Oiversion nome		Pasture		Alfalfa		Groin		:	Truck		Total		;	
Ditch 132		Owner	Mixed	No 1 ive	Meadow	pasture	Barley	Wheat	0005	y dy	crops	Orchara	irrigofed	в Б	* 0 0 0 0	10101
Ditch bitch							į.	Т	Continued							
## and Flock List	5	tonio Ditch	152		65								217			217
Nouther Su	re3	arl B. and Mildred O. Flock	118		%								78			78
Signature		onald L. Meamber	775		œ								62			29
Solution		imon Koppes	1/	77	25	15				2			124			124
10 12 12 13 15 15 15 15 15 15 15		Sarl B. and Mildred O. Flock			53	77							55			55
lock 7 16 15 18 18 19 21 19 21 19 21 19 21 19 22 23 10		lary Lenos			9								9			9
tock 7 19 21 23 1 23 1<		ary Lenos			16	15							31			31
Frather 63		eorge Flock	7		19	21							77			147
Fround water 93 L 22 299		orris L. Prather	63			23							88			98
Stound water 93	1	onald E. and Illene D. Watson		34	12								917			77
nasta Subunit 6,341 541 3,949 L,105 711 241 260 612 35 15 16,810 196 1,1 Howell 193 21 3 673 293 24 11 5 3 1,226* 42 ch, Inc. 27 100 421 70 62 23 3 1,226* 42		ited by ground water	93	η		66	29	34		18		7	281	21	13	315
6,3\lambda 5\lambda 1 \\ 5\lam		rigated		22	299						1		321	1		321
LOWER SCOTT VALLEY SUBUNIT 23 23 23 24 25 27 28 29 24 11 5 28 28 21,226* 421 70 62 680		ittle Shasta Subunit	146,9	5/17	3,949	105	777	241	260	612	35	25	16,810	196	1,152	18,158
trict 193 21 3 673 293 24 11 5 3 1,226* 42						LOW	ER SCOT	T VALLEY								
193 21 3 673 293 24 11 5 3 1,226* 42 42 27 100 421 70 62 680		van R. Howell				23							23			23
27 100 421 70 62		Scott Valley Irrigation District	193	23	m	673	293	24	п	W		6	1,226*	775	30	1,298*
	0.7	star Ranch, Inc.	27	100		1751	70	62					0899			680

* - Includes 2h acres normally irrigated jointly with hhm/9W-26Rl.

TABLE 9 (Continued)
IRRIGATED LANDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958
(In acres)

						_														
	Totol		250	158	42	10	9	17	22h	2	79	252	195	178	138	313	66	119	210	
:	F0110#										_									
	g									2										
Total	irrigated		250	158	1,2	10	09	17	22h		42	252	195	178	138	313	66	911	210	
-	Orchard																			
Truck	crops																			
	Hoy	nued)							42°a		12	34	10		-	34				
	Oats	IT (Conti	9						138			17	-							
Grain	Wheat	Y SUBUN																		
	Borley	TT VALLE							- 12-30								m			
Alfolfo	posture posture	LOWER SCOTT VALLEY SUBUNIT (Continued)	115		п		877		132ª		80	112	28		55	1,18		89		
	Meadow	ΓO																		
Posture	No + c × e								χ ₈					131	83	9	52		78	
	Mixed		129	158	31	10	12	17	32 a		59	89	157	1,7		125	777	30	132	
Oiversian name	0 K J & L		C. Custer George Rose	Stanley M. Friden	Stanley M. Friden	Stanley M. Friden	Stanley M. Friden	Stanley M. Friden	Stanley M. Friden	Henry Chester	Freitas Ditch	Freitas Ditch Camp Ditch	John Heide	Con and Dennis Mulloy	Weed Ditch	Weed Ditch Gene Selby	Camp Ditch	Donald Hahn Josephine Dangle,et al	Dennis Mulloy	
Outstand	lacation	21 22 23 24 24 24 24 24 24 24 24 24 24 24 24 24	L3N/94-8B1	L3N/9w-17H1 L3N/9w-20E1 L3N/9w-31D1 (Etna Subunit	L3W/9W-20D1	L3N/9W-20E1	L3N/9W-20E1 L3N/9W-20M1	L33/9W-20%	L3N/9W-31D1 (Etna Subumit	L311/1011-2KI	L3H/10W-2Q1	63%/10%-201 63%/10%-10E1	1234/104-901 1234/104-911	1,3%/10W-9HI	L314/104-9KI	L3N/10W-9K1 L3N/10W-22P1	L3N/10W-10E1	b3N/10W-10F1 b3N/10W-11C1	ביסו-איסו/אנק	

a - Received partial irrigation.

TABLE 9 (Continued)
IRRIGATED LANDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958
(In acres)

Notice N				Aifaifa		Groin			i i					
Josophine Dangle, et al. Josophine Dangle, et al. Josophine Dangle, et al. Josophine Dangle, et al. John Poreira Gene Selby Wright and Fletcher Ditch Wilber and Grace Hullquist Roy E. Mason Wilber and Grace Hullquist Roy E. Mason Wilber and Grace Hullquist Scott Valley Irrightion District John Grechtlou Aron Fincher C. W. Birdwell Jameo Eastlick Warren Lytle Travis Smith George Lilly	Mixed	Notive	Meodow	hoy ond posture	Borley	Wheat	0018	ноу	ond field crops	Orchard	londs	Idle	Follow	Totol
Josophine Langle, et al. Josophine Dangle, et al. Josophine Danglo, et al. John Poreira Genc Selby Wright and Fletcher Ditch Wilber and Grace Hullquist Roy E. Mason Wilber and Grace Hullquist Cort Valley Irrigation District John Crechtlou Aron Fincher C. W. Birdwell Jameo Eastlick Warren Lytle Travis Smith George Lilly			Γ0)	LOWER SCOT	T VALLE	SCOTT VALLEY SUBUNIT (Continued)	T (Contin	(pen)						
Josephine Dangle, et al. Josephine Dangle, et al. John Poreira Genc Selby Wright and Fletcher Milber and Grace Hullquist Roy E. Mason Wilber and Grace Hullquist Scott Valley Irrigetion District John Crechtlou Aron Fincher C. W. Birdwell James Eastlick Warren Lytle Travis Buth				Q	10						10			10
Josephine Dangle, et al. John Poreira Genc Selby Wright and Fletcher Ditch Wilber and Grace Hullquist Roy E. Mason Wilber and Grace Hullquist Scott Valley Irrigetion District John Crechtlou Aron Fincher C. W. Birdwell Jameo Eastlick Warren Lytle Travis Smith George Lilly				9							9			9
John Poreira Genc Selby Wright and Fletcher Ditch Wilber and Grace Hulquist Roy E. Mason Wilber and Grace Hulquist Scott Valley Irrigation District John Crechtiou Aron Fincher C. W. Birdwell Jameo Eastlick Warren Lytle Travis Smith George Lilly	9			2				277			32	_		32
Genc Selby Wright and Fletcher Ditch Wilber and Grace Hullquist Roy E. Mason Wilber and Grace Hillquist Scott Valley Irrigation District John Grechtlou Aron Fincher C. W. Eirdwell James Eastlick Warren Lytle Travis Buith George Lilly	777	15						14			£1J			F)
Wright and Fletcher Ditch Wilber and Grace Hullquist Roy E. Mason Wilber and Grace Hullquist Scott Valley Irrigation District John Crechriou Aron Fincher C. W. Birdwell Jameo Eastlick Warren Lytle Travis Smith George Lilly	10	61		•				68			139		1,3	182
Whber and Grace Hulquist Roy E. Kason Wilber and Grace Hulquist Scott Valley Irrigation District John Grechtion Aron Fincher C. W. Birdwell Jameo Eastlick Warren Lytle Travis Smith George Lilly	126	7		98			1,2				270	32		302
Wilber and Grace Hullquist Scott Valley Irrigation District John Grechtlou Aron Fincher C. W. Birdwell Jameo Eastlick Warren Lytle Travis Smith George Lilly			_	25	7						32			32
John Crechtlou Aron Fincher C. W. Birdwell Jamee Eastlick Warren Lytle Travis Mith George Lilly			-	97			٦	33			131	~		138
Aron Fincher C. W. Birdwell Jameo Eastlick Warren Lytle Travis Smith George Lilly				20	19						39			39
C. W. Birdwell Jameo Eastlick Warren Lytle Travis Smith George Lilly				W	11						14			14
Jameo Eastlick Warren Lytle Travis Smith George Lilly	7			56							106			106
Warren Lytle Travis Smith George Lilly				22	22						1,1,1			7-1
George Lilly	g ₀										6			6
	22										22			22
ulm/104-25Cl Merle Bruce	13			20							33			33
ulu/10%-25Fl Nerle Bruce Tozier Brothers	22			158	78	52		LI.			294			294

a - Roccived partial irrigation.

TABLE 9 (Continued)
IRRIGATED LANDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958
(In acres)

	Oiversian name		Pasture		Alfolfa		Grain			Truck		Total			
Location	Owner	Mixed	Notive	Meadow	pasture	Barley	Wheat	0015	НОУ	craps	Orchard	irrigated	o lo	# 0 II 0 W	10101
K D B & M				LOW	VER SCOT	LOWER SCOTT VALLEY	SUBUNIT	(Continued)	ned)						
4481/104-26N1 4481/104-35P2	Burnell Burton Ed Burton Casey Pearson	87										87			87
445/10%-27H1	Warren Lytle Travis Smith				108				52ª	·		62			62
44N/10W-27Pl	Casey Pearson		13									13			13
4421/10W-28A1	James Eastlick												772		77
44.1/10W-34.KI	Ed Burton Casey Pearson	7	20					174				38			38
44N/10M-34K1 44N/10m-27L1	Ed Burton Casey Pearson				122							122			122
LLLY/10W-35C1	Burnell Burton	13						28				4.1			77
44H/10W-35F1	Tozier Brothers	10										10			10
4411/10W-35F1 4411/10W-35F1	Henry Chester Tozier Brothers	24,2										242			2775
44N/10W-35Pl	Henry Chester Tozler Brothers	10						80				18			18
44N/10W-35P2	Burnell Burton Ed Burton Casey Pearson	12	٠,					53	72			67			29
Lands irriga	Lands irrigated by ground water	82			77							127			127
Lands sub-irrigated	rrigated		39			1					}	39			32
Tota	Total Lower Scott Valley Subunit	1,985	633	~	2,586	513	111	169	360	0	~	6,363	107	73	6,543
					McA	McADAM CREEK	EK SUBUNIT	FIN							
44N/8W-22L1	rances Costa				23							21			21
44N/8W-26F1	Frances Costa	٧.	9		13	3						27			27

o-Received partial irrigation.

TABLE 9 (Continued)
IRRIGATED LANDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958
(In ocres)

	Tatel		197	55	21,	30	65	777	87	154	63	792		56	73	₩	6
	Fallow										-	0					
	Idle		_									0					
Total	frigated		197	55	77	R	65	717	87	154	63	792		%	73	40	6
	Orchard		.,									0					
Truck	and field crops											0					
	Ноу	_	15	9		_		10	-		-	31					
	0015	(Continued										0	TINUS				
Groin	Wheot	SUBUNIT (Continued)	9				7	_				10	MOFFETT CREEK SUBUNIT				
	Barley	CREEK		13	6						1	25	FFETT CF				
Alfalfa	hoy and pasture	McADAM	129	36	m		55	87,	87	154	04	583	W	56	43	80	
	Meadow	_										0					
Posture	No tive		50		12	30		8				88					
	Mixed		27								23	55					0
Diversion nome	Owner		Frances Costa Joe Deas E. F. Victor	Frances Costa	William Soares	Goorge Milney Estate	George Milney Estate	Huch W. Aderholt	Hugh W. Aderholt	Jess L. Tibbs	Lands irrigated by ground water	Total McAdam Greek Subunit		M. L., Harold L., Charles and Bonnle Gramer	Fred Cramer	M. L., Harold L., Charles and Bonnie Gramer	M. L., Harold L., Charles and Bonnie Cramer
000	Locotion	MDB&M	4411/8W-27G1	44N/8W-27L1	44N/9W-12K1	44N/9W-13C1 44N/9W-13C2	LLR/9W-13M1	INC1-M6/N777	1,411/94-21,01	LLN/9W-2LP1	Lands irrig	Tota		1,3N/7N-18G1	4,3N/8N-2K1	43N/EW-12K1	1,3N/AW-13G1

TABLE 9 (Continued)
IRRIGATED LANDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958
(In acres)

		Υ											_					
}	Totol		10	35	131		51	89	1,81,	244	625	24,1	66	52	185	22	0\	
	Follow				0													
	Idle				0											22		
Totol	lands		10	35	131		51	89	η8η	21/17	625	241	66	52	185		0,	
	Orchard			1	0													
Truck	and field craps				0													
	Нау	led)	10		10					75			28					
	Oats	SUBUNIT (Confinued)			0	F												
Grain	Wheot	SUBUNIT			0	EK SUBUNIT												
	Borley	T CREEK			0	PARKS CREEK						671			22			
Alfolfa	posture	MOFFETT		35	2112	P/							17					
	Meadow				0			72	295	16	625							
Pasture	Notive			1	0		51			29				52	87		٥	
	Mixed				6			17	189	98		192			92			
Oiversion name	Owner		M. L., Harold L., Charles and Bonnie Cramer	Fred Cramer	Total Moffett Creek Subunit		Floyd Barnum William H. King John J. and Lillian M. Mazzini	Dwight Harmond	Edson-Foulke Yreka Ditch Co.	Isabella C. More	Grissom Ranch	Grissom Ranch	Grissom Ranch	Grissom Ranch	Grissom Ranch	Gus V. Melson	Gus V. Melson	
270	location	мувск	L3%/8%-13G2	LLN/814-36N1	Total		lll/5w-lFl (Weed Subunit)	LLN/5%-981 (Weed Subunit)	(Weed Subunit)	113/67-141	L211/54-501	L2N/5W-5Q1 L2N/5W-8C1	L2N/SW-7H1	L2N/5W-8C1	12N/5W-8P1 1211/5W-7K1	L2N/54-18c1	L2N/5W-18C2	

IRRIGATED LANDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958
(In acres) TABLE 9 (Continued)

									_									
	Totol		18	m	16	7	189	07	07	7175	13	103	25	203	39	136	313	293
	Follow												25					
	ldie																	
Totol	irrigated		18	m	91	7	189	077	07	277	13	103		203	39	136	313	293
	Orchard																	
Truck	crops																	
	y o	_									13						6	
	Oots	(Continued)																
Grain	Wheot	SUBUNIT																
	Barley	PARKS CREEK																
Alfolfo	pasture	PARKS					77											16
	Meadow			ε.	37	7	147	23	12	175		07		168	39	136	211	156
Pasture	No five		18		725			19				63		1.8				
	Mixed						28		28					17			93	121
Diversion name	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Gus V. Nelson	Gus V. Nelson	Gus V. Nelson	Gus V. Nelson	Harry Robertson	Martin W. and Laura W. Little Gus V. Nelson Harold A. and Minnie I. Lenos	Harold A. and Minnie I. Lemos Martin W. and Laura M. Little	Harold A. and Minnie I. Lemos	Parks Creek Ranch	Parks Creek Ranch	Isabella C. More	Isabella C. More	Harry Robertson	Ernest Bridwell	Laura M. Cawley	William W. Valentine, Jr.
	location	M D M	L2N/5W-18L1	L2N/5W-18R1	L211/5W-19A1	42N/5W-19C1	L2N/5W-19Q1	L2N/5W-20MI L2N/5W-29C1	12N/54-20N1	L2H/5W-29C1	L2N/5W-29P1	L2N/5W-29P2	L2N/5W-31J1 L2N/5W-32E1	L2N/5W-31Q1	L2N/6м-2LK1	D21/64-21/13	L3N/5W-20B1	h3H/5W-2lbl (Dwinnel Reservoir Subunit)

TABLE 9 (Continued)
IRRIGATED LANDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958
(In acres)

	1010			259	52	238	4,205		25)	9	35	E	126	38	118	3	80	1,05	
	***						25												0	
1	ore		•		Mark II		22				9								9	
Totol	irrigated			259	52	238	4,158		X	}		35	ε.	126	38	877	73	80	399	
	orchara orchara						0												0	
Truck	crops						0											1	0	
	y or					1	125												0	
	Oats	(Continued)					0	FZ									7		-7	
Groin	Wheot	SUBUNIT (0	JRK SUBUNIT										1	0	
	Borley	CREEK SI					71	SOUTH FORK										1	0	
Arfolfo	posture	PARKS (101	0)										1	0	
	Meodow			259	52	238	2,576												0	
Pasture	No † i ve						1,38					35	е	126				1	164	
	Mixed						81,7		25	ì					38	877	1,0	80	231	
Oiversian name	OWNer			Grissom Ranch	Grissom Ranch	rrigated	Total Parks Creek Subunit		Alfonso J.	Fuglistaler	J. D. and Ruth A. Proctor	J. B. Sullivan	Allen Moore	J. B. Sullivan	Dick Hayden	L. B. Bergsnyder	J. D. and Ruth A. Proctor	H. Jorgen and Elinore Lanielson	Total South Fork Subunit	
000000000000000000000000000000000000000	location		N D N	L3N/5W-28B1 L3N/5W-32A1	L33/5W-33ML	Lands sub-irrigated	Total		10N/91-121	LON/94-7H1	4011/914-501	4011/914-2141	LOW/9W-23G1	LOX/92331	LON/94-24RL	40N/94-25J1	L1N/9W-32G1	LON/94-33R1 LON/94-5K1	Total	

TABLE 9 (Continued)
IRRIGATED LAMDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958
(In acres)

			_									_					
,	10101		07	29		69			167	82	m 	109	82	~	7	233	118
:	¥01104					O											
	e l d l e					0											
Total	irrigated		07	50	1	69			167	82	m	109	82	~	77	233	18
	Orchord				1	0					·						
Truck	crops					0											
:	НОУ					0											
	Oats	SUBUNIT]	0											
Groin	Wheot	SPRINGS SU				0	·	SUBUNIT									
	Borley				-	0		WEED									
Aifalfo	posture	STEWART			1	0		_								12	
	Meadow					0			34							92	
Pasture	No five					0		_		772	m			~	77	124	10
	Mixed		07	53		69			133	58		109	82			17	60
Oiversion nome	Owner		George and Anita Zabella Vanderbilt	George and Anita Zabella	Vanderbilt	Total Stewart Springs Subunit			Dwight and Stuart Hammond	International Paper Company	Southern Pacific Company	International Paper Company	Pete Salanti	Charles S. and Dora Davidson	Mike belcastro	Floyd Barnum William H. King John J. and Lilliam M.	Stuart Hammond
do sa a sa o	Locotian	MDBGM	41N/6W-1D1	1,1N/6W-2F1		Total			40N/5W-21Cl (Fddy Creek Subunit)	41N/14-6Pl	41N/4W-18P1	41N/5W-1H1 41N/5W-1H2	41N/5W-ZE1	41N/5W-3C1	41N/5W-3D1	1,111/5/4-4,†1	41N/5W-5H1

TABLE 9 (Continued)
IRRIGATED LANDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958
(In acres)

	Tatal			103	18	23	27	7	15	106	105	77	18	39	382	103	3	96	135
	Follow										79								
	idle										7								
Total	irrigated			103	18	23	27	7	15	106		11	18	39	382	103	2	96	135
	Orchard																		
Truck	ond Tield crops																		
	, 0 1									13			7						
	Oats	finued)																	
Grain	Wheat	SUBUNIT (Continued)																	
	Borley	WEED SUB																	
Arfolto	posture	WE			я	23								39					
	Meadow			70	7					17		N	11/1		89			59	
Posture	Notive			7						677					161				135
	Mixed			59			27	4	15	27		9			153	103	9	29	
Oiversion nome	OWNEL			Dwight Harmond	Ples Connolly	Dwight Hammond	ilmer H. and Inez Mary Meline	Elmer H. and Inez Mary Meline	Elmer H. and Inez Mary Meline	Frank and Maria Rovito	Frank A. Kellog George Ladewig	Dwight Harmond	Dwight Harmond	Gertrude Crechriou	Dwight and Stuart Harmond Stuart Harmond Edson-Foulke Yreka Ditch Co.	Homer Murphy	Dwight Hammond	Dwight Harmond	Dwight Hammond
Oversion	location		0 0 0 0	186-45/NI7	LDY/54-961	1131/5W-9P2	111/5%-1141 121-W5/XL1	41%/5W-12G2	L1X/5W-12D1 L1X/5W-12C2	L13//5w-1231	1071-W5/NT1	1091-%5/XTT	1991-85/117	L13/5W-17F1	111/54-17F2 111/54-5K1 111/54-9F1	L111/5W-21A1	L11:/54-21A2	hlw/5w-21A2 hlw/5w-21R1 (Eddy Cr. Subunit)	111/5w-2111 1212-w2/KL1 1211/5w-1651

TABLE 9 (Continued)
IRRIGATED LANDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958
(In acres)

Į o o	5		24	09	37	877	18	179	176	9	277	7777	911	99	37
	2										_				
Total	irrigated		24	09	37	1,8	18	77	97	9	77	777	116	92	37
7				-	-										
Truck	craps														
2	, and														
	Oats	finued)													
Grain	Wheat	SUBUNIT (Continued)													
	Bartey	WEED SUBL			9								10	10	
Alfolfo	posture	WE					ν		27	~			12	12	
	Meadow			16		13		13				m	15	30	
Pasture	Notive												9		
	Mixed		24	717	31	35	13	36	19	m	24	1,1	73	35	37
Diversion name	0 S		Dwight Hammond	Samuel C. Jackson	Samuel C. Jackson	Samuel C. Jackson	A. B. Hoy	H. L. and Louise C. Vidrickson Mike Belcastro H. L. and Louise C. Vidrickson	A. B. Hoy H. L. and Louise C. Vidrickson H. L. and Louise C. Vidrickson	A. B. Hoy	A. B. Hoy	A. B. Hoy	A. B. Hoy	Samuel C. Jackson	Ernest and Rosina Spada Latrence E. and Myrtle P. Sullivan zrnest and Rosina Spada
Coincipa	lacation	MDBRM	LIN/SW-21R1 (Eddy Cr. Subunit)	L2N/5W-21Q1	L2N/5W-22R1	L2N/5W-22R1 L2N/5W-22P1	L2:/5w-23P1	L2N/5W-25N1 L2N/5W-25P1 L2N/5W-26J1	42N/5W-25P2 42N/5W-25N2	L2N/5W-26B1	12N/5w-26B1 L2N/5w-26H1	L211/514-26FT	1,2%/5W-26H1	12N/5W-27D1 12N/5W-27D2 12N/5W-28R1	L211/5W-28C1 L211/5W-28D1

TABLE 9 (Continued)
IRRIGATED LANDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958
(In ocres)

	Tatal		12	36	50	23	577	23	247	22	39	30	27
	Fallow												
	idle												
Total	rrigated		12	36	50	23	145	21	11,7	22	39	30	25
	Orchard												
Truck	crops		_										
	Hay												
	Oats	tinued)											
Grain	Wheat	SUBUNIT (Continued)											
	Barley	WEED SUBL									10		
Alfolfo	pasture	WE											77.
	Meadow			36	50	10	Li S		65			30	
Pasture	Notive		12										
	Mixed					13		23	88	22	29		61
Oiversian name	awner		Frank Alexander	Lawrence 2. and Myrtle P. Sullivan	A. W. and Alma Neal	Lawrence E. and Myrtle P. Sullivan	A. W. and Alma Neal Harry Lemos A. W. and Alma Neal Laverne R. Rucker Ernest E. and Dorothy N. Solus	Samuel C. Jackson	Samuel C. Jackson	Ermest and Rosina Spada	A. W. and Alma Neal	Ernest E. and Dorothy N. Solus Harry Lemos Ernest E. and Dorothy N. Solus	Harry Lemos A. W. and Alma Neal Laverne R. Rucker Ernest E. and Dorothy N. Solus
Oversion	lacation	MDBGM	1221/5W-28EI	L2N/54-2852	L2N/5W-28K1	L2N/5W-28K2	Δ2N/5W−28P1 Δ2N/5W−33X1	L2N/5W-28Q1 L2N/5W-28R1	L2N/SW-28R1 L2N/SW-28J1	h2N/5W-29Al	L2N/57-33C1	L2N/54-33C2 L2N/54-33L1	L2N/54-33KI

IRRIGATED LANDS IN SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958 (In acres) TABLE 9 (Confinued)

	Tatal		į.	27	W	22	172	60	777	1,8	315	177	7	17	3,837		32	2	37	7	7.7
							2			77.					80 3						
:	Follo													- 1							
	ldle														T						
Tatal	irrigated		¢	1.2	W	22	170	80	217	34	315	1,12	7	17	3,716		32	2	37	7	11
	Orchard														0						
Truck	ond rieid crops													1	0						
	Υ													1	17					-	
	Oats	inued)									п				Ħ	TINO					
Groin	Wheat	SUBUNIT (Continued)										18			18	EEK SUBUNIT			17		
	Barley	WEED SUBU													56	WILLOW CREEK		2	-	7	6
Alfolfa	posture posture	WE	_			22	7	∞		10	118	50			363	- MI	32		20		
	Meadow				W		77			77	50	59		7	902						·
Pasture	Notive										143	9			581						
	Mixed		22	17			159		1,2	25	93	111	7	10	1,994						1/1
Oiversion name	Owner		o conclusion of	narry Lemon	Harry Lemos Ernest E. and Dorothy N. Solus	Willard R. Caldwell	Mike Belcastro	Mike Belcastro	Joe Belcastro	Mike Belcastro	Cecile Carrick Crooks Mae Carrick Cody	Roger Zwanziger	John H. Linville	John H. Linville	Total Weed Subunit		James Damron	Howard Damron	Howard Damron	Kathrym Heinsen	Kathrym Heinsen
Diversion	location	X 00 00 00 00 00 00 00 00 00 00 00 00 00	1.2N /SW_ 33K2	45W/2W-33A2	L2N/5W-33L1	1211/5W-3LKI	L2N/5W-35A1	L2N/SW-35B1 L2N/SW-35A1	L2N/54-35L1	L2N/54-36B1	L211/5W-36H1	L2N/5W-36H2	L2N/5W-36MD	L211/5W-36M2	Total		L2N/6W-7G1	L2X/64-17L1	L231/6W-17N1	L2N/6W-1901	h2N/6W-19G2 h2N/6W-19K1

TABLE 9 (Continued)
IRRIGATED LANDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958
(In acres)

	10+0			77	20	20	1.8	2	77	12	17	16	220			53	123	п	28	26	211	0	19
:	¥010*											1	0										
	e Qie				20							1	50						-				
Total	irrigated			77		50	18	7	77	12	17	16	200			53	113	п	28	56	775	0.	19
	Orchard							2					2										
Truck	crops												0										
	Ноу	nued)							77			16	50										
	Oats	SUBUNIT (Continued)				20							50		LN								
Groin	Wheat	1											17	_	EK SUBUNIT						12		72
	Borley	WILLOW CREEK						W				1	23	_	YREKA CREEK					56			
Arfolfo	posture	WILLO	-				18			12	12		716	_	≻ -	53	113	11	28		17	0	11,
	Meadow			111								1	77										
Posture	Notive												0										
	Mixed										N	1	10								13		
Osversion name	100 NO			Kathryn Heinsen	Gertrude Crechriou	Kathryn Heinsen	J. A. Payton	Gertrude Crechrion	Bertha A. Ashburn	Menenhall Brothers	Menenhall Brothers	Menenhall Brothers	Total Willow Creek Subunit			Laura M. Cawley	Laura M. Cawley Fred W. Burton	Fred W. Burton	Fred W. Burton	Fred W. Burton	Fred W. Burton	Fred W. Burton	Fred W. Burton
Diversion	locotion	20 00 20 20		L2N/6W-19K2	LM61-N9/KZU	L2N/64-30B1	L2N/74-1261	123/74-24R1	1,2N/7%-2501	L3N/7W-1H1	L3N/7W-1J1	13N/7W-1R- 13N/7W-1J-	Total			באון-איד/גענו	Llu:/7w-ls/1	LLN/70-512	LLN/7W-5Q1 LLN/7W-8G1	1111/7W-7JJ 141/7W-8ZJ 141/7W-8ZJ	LAN/74-781	LL31/74-8A1	LLIS/7W-8G1

IRRIGATED LANDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958
(In ocres) TABLE 9 (Continued)

Pred N. Burton Pred Notice	0000000	Diversion nome		Pasture		Alfolfo		Groin			Truck		Total			
Fred M. Burton Fred M		OWNE	Mixed	Notive	Meodow	posture	Borley	Wheat	Oots	н у	crops	Orchord	londs	oldie	Follow	Totol
Pred W. Burton Fred																
Fred M. Burton Fred M						YRE	(A CREE		T (Confin	led)						
Fred W. Burton Fred W		Fred W. Burton				11							п			п
Fred W. Burton Fred W	Θ.	Fred W. Burton				56		6		12			77			77
Fred W. Burton Fred W. Burton Errest and Zelma Errest and		Fred W. Burton						00					60			œ
Fred W. Burton Extrest and Zelna Walter Walter Walter Walter Walter Walter Loseph A. Lenos Normond L. Cirard C. F. Burgess Gerald Lange Gerald L		Fred W. Burton				7							7		-	7
Errest and Zelma		Fred W. Burton						Э					m			3
Extrest and Zelma Malter Extrest and Zelma Malter Ben Brazle		Ernest and Zelma Walter				87							87		LΛ	95
Entrect and Zelma 25 158 25 Walter 158 186 186 Ben Brazio 186 186 18 Joseph A. Lemos 197 18 18 Normond L. Girard 37 37 37 C. E. Burgess 2 11 6 1 Gerald Lange 2 11 6 2 Gerald Lange 25 25 5 Gerald Lange 22 5 5 Gerald Lange 22 22 22 Gerald Lange 22 22 22 Gerald Lange 22 22 22 Gerald Lange 24 25 22 Gerald Lange <		W. B. Flock	7.7										10			w
Ben Brazle 28 158 186 186 186 186 186 186 186 186 186 186 186 187 186 186 187 186 187 186 187 186 187 187 187 186 187 186 187 1		Ernest and Zelma Walter				52							25			25
Joseph A. Lances 37 15<		Ben Brazie	28			158							186			186
Normond L. Girard 37 3 3 3 3 2		Joseph A. Lemos								15			15			15
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Gerald Lange 25 Gordon C. James 5 Gerald Lange 5 Gerald Lange 5 Erick Johnson 62	-	Gerald Lange	2		_	11		9		Э			22			25
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Artick Johnson 62 62		Gerald Lange				22							22			22
	453/7n-23E1	erick Johnson				62							62			62
										_	-	-				

TABLE 9 (Continued)
IRRIGATED LANDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT, 1958
(In ocres)

	Totol		30	35	۳ ۾	16	23	27	77	666	3,011 1,709 3,717 74,112 82,579
	Follow								-	ν.	11,7 16 1,985 1,985
	Idle									~	88 0 0 1,160 1,248
Total	rrigated		30	35	77	16	23	27	7	991	2,776 3,739 3,731 71,130 79,346
	Orchard									0	7 0 0 144
Truck	crops									0	73
	Нау		22ª							56	206 21 539 2,592 3,358
	00015	SUBUNIT (Continued)		10						15	108 108 868 983
Grain	Wheat	UBUNIT (173	125 183 1,446 1,754
	Barley	CREEK	a co							34	145 338 14,278 14,761
Alfolfo	posture	YREKA		25		76	23ª		77	751	1,054 851 17,693 19,605
	Meadow									0	111 1,532 6 11,567 13,216
Posture	Notive									0	274. 75 759 5,164. 6,273
	Mixed				~ A			27		92	84.3 94.7 27,416 29,279
Oiversion name	OWNEr		Josephine Brown B. R. Culp Larue Payne Albert Tebbe	Manuel F. Rose, Jr.	E. H. Marlow Manuel F. Rose, Jr.	Bob E. Dodson	Mrs. Glen Hill	Joe De Rose	Lands irrigated by ground water	Total Yreka Creek Subunit	ound water ound water face water
000	location	NDB&N	L5%/74-2912	L5x/7w-29M	L5N/74-29N1 L5N/74-30C1	LSN/74-30R1	15N/7W-34P1	15N/8W-2LR1	Lands irri	Total	Summary: Lands irrigated by grulands sub-irrigated Lands irrigated by grunds sub-irrigated by grunds irrigated by sub-irrigated by sub-irrigat

a - Received partial irrigation.

only a partial irrigation because of insufficient water supply, and (3) those lands usually irrigated but which were idle or fallow in 1958. Lands irrigated by ground water are separately delineated.

Naturally High Water Table Lands

In addition to the lands which receive applied water as described above, there are lands supporting vegetation utilizing water from a naturally high water table, such as mountain meadows or lands adjacent to lakes and streams. These are shown in Table 8 as "Meadowlands," and on Plate 2 as "naturally irrigated meadowlands." If standing water is observable in an area on which tules, cattails, bullrushes, and similar vegetation is growing, the area is shown in Table 8 and on Plate 2 as "Marshlands."

Dry-Farmed Lands

Dry-farmed lands are those cropped areas which do not receive water in excess of natural precipitation, and lands that are normally planted to dry-farmed crops but which at the time of the survey were tilled but not planted, i.e., fallow lands. Also included in this category are lands formerly dry-farmed, but which were lying idle at the time of the survey. If a field had been idle long enough to revert to its native condition, it was mapped as native vegetation. Dry cattle rangelands which are indistinguishable from lands with native cover, not used for grazing purposes, are similarly mapped as native vegetation. Water used in both cases is identical and is dependent upon precipitation.



Irrigating Alfalfa, Scott Valley



Department of Water Resources Gaging Station, "Little Shasta River Near Montague"

Urban Lands

Urban lands include the total areas of cities and towns, small communities, and industrial areas of approximately 3 acres or more. These are gross delineations, including streets and vacant lots. The lower density limit used to identify urban lands in this survey was one residence per 2 acres.

Recreational Lands

Recreational lands include camp and trailer sites, resorts, and permanent and summer homes in predominantly recreational areas, as well as motels and other commercial establishments which provide services to such areas. This category also includes parks located outside delineated urban areas. As in the case of urban lands, these delineated areas are not necessarily fully developed.

Native Vegetation

Lands which are essentially in a native state, and not included in any of the above categories, as well as scattered residences and other isolated uses too small to be delineated, were mapped as "native vegetation." However, in addition to the lands so mapped, the total acreage reported in this native vegetation category includes lands which were mapped as water surface and farm building areas, including dairies, feed lots, etc. The total of all these lands was some 800,000 acres, or about 86 percent of the Shasta-Scott Valleys Hydrographic Unit, in 1958. Most of these lands, even in their native state, are used for commercial timber production, livestock range, and recreational activities such as fishing, hunting, hiking, and picnicking.



CHAPTER IV. LAND CLASSIFICATION

Calculations of future water requirements will be based in part on a classification of lands with regard to their potential for irrigated agricultural and recreational development. The results of such a land classification survey in the Shasta-Scott Valleys Hydrographic Unit are presented in this chapter.

The former Division of Water Resources made a reconnaissance classification of lands of the State which was reported in State Water Resources Board Bulletin No. 2. A more detailed land classification survey was performed by the department and reported in Department of Water Resources Bulletin No. 83, "Klamath River Basin Investigation," dated July 1964, and Bulletin No. 58, "Northeastern Counties Investigation," dated June 1960. The area of the Shasta-Scott Valleys Hydrographic Unit was included in each of these bulletins. The present investigation uses the same basic land classification survey which was used in Bulletins Nos. 83 and 58, but additional data on classification of recreational lands have been included, along with some minor modifications to the irrigable agricultural lands, and a remapping of the present urban lands.

Lands were not classified in this survey with respect to their potential for urban development. The use of lands for urban purposes is closely related to population at any given time, and it is planned to defer designation of these lands until estimates of population and related economic studies are made in connection with determinations of future water requirements.

Methods and Procedures

Lands were classified by field inspection. The areas were mapped on aerial photographs in the field, and the total area of each parcel of land was determined by methods similar to those described for the survey of present land use.

The standards used in the classification of lands are given in detail in Table 10.

Results of the land classification survey are delineated on Plate 3, "Classification of Lands, Shasta-Scott Valleys Hydrographic Unit," sheets 1 through 18. The areas of land classification within each subunit are shown in Table 11.

TABLE 10

LAND CLASSIFICATION STANDARDS

Land	:	
class	:	Characteristics
symbol	:	

Irrigable Lands

- V These lands are level or slightly sloping, and vary from smooth to hummocky or gently undulating relief. The maximum allowable slope is six percent for smooth, reasonably large-sized bodies lying in the same plane. As the relief increases and becomes more complex, lesser slopes are limiting. The soils have medium to deep effective root zones, are permeable throughout, and are free of salinity, alkalinity, rock, oroother conditions limiting crop adaptability of the land. These lands are suitable for all climatically adapted crops.
- H These are lands with greater slope and/or relief than those of the V class. They vary from smooth to moderately rolling or undulating relief. The maximum allowable slope is 20 percent for smooth, reasonably large-sized bodies lying in the same plane. As the relief increases and becomes more complex, lesser slopes are limiting. The soils are permeable, with medium to deep effective root zones, and are suitable for the production of all climatically adapted crops. The only limitation is that imposed by topographic conditions.



Example of Land Classification Delineated on Aerial Photograph (See page 176 for symbol explanation)

TABLE 10 (continued)

LAND CLASSIFICATION STANDARDS

Land:	
class:	Characteristics
symbol:	

M - These are lands with greater slope and/or relief than those of the H class. They vary from smooth to steeply rolling or undulating relief. The maximum allowable slope is 30 percent for smooth, reasonably large-sized bodies lying in the same plane. As the relief increases and becomes more complex, lesser slopes are limiting. The soils are permeable, with medium to deep effective root zones, and are suitable for the production of all climatically adapted crops. The only limitation is that imposed by topographic conditions.

Any variation from the foregoing, as defined, is indicated by use of one or more of the following symbols:

- w Indicates the presence of a high water table, which in effect limits the present crop adaptability of these lands to pasture crops. Drainage and a change in irrigation practice would be required to affect the crop adaptability.
- s Indicates the presence of an excess of soluble salts or exchangeable sodium in slight amounts, which limits the present adaptability of these lands to crops tolerant to such conditions. The presence of salts within the soil generally indicates poor drainage and a medium-to-high water table. Reclamation of these lands will involve drainage and the application of small amounts of amendments, and some additional water over and above crop requirements, in order to leach out the harmful salts.
- ss Indicates the presence of an excess of soluble salts or exchangeable sodium in sufficient quantity to require the application of moderate amounts of amendments and some additional water over and above crop requirements, in order to effect reclamation.
- h Indicates very heavy textures, which make these lands best suited for production of shallow-rooted crops.
- Indicates fairly coarse textures and low moisture-holding capacities, which, in general, make these lands unsuited for the production of shallow-rooted crops because of the frequency of irrigations required to supply the water needs of such crops.
- p. Indicates shallow depth of the effective root zone, which limits use of these lands to shallow-rooted crops.

TABLE 10 (continued)

LAND CLASSIFICATION STANDARDS

Land:	
class:	Characteristics
symbol:	

r - Indicates the presence of rock on the surface or within the plow zone in sufficient quantity to prevent use of the land for cultivated crops.

Urban Lands

UD - The total area of cities, towns, and small communities presently used for residential, commercial, recreational, and industrial purposes.

Recreational Lands

- RR Existing and potential permanent and summer home tracts within a primarily recreational area. The estimated number of houses, under conditions of full development, is indicated by a number in the symbol, i.e., RR-3 is suitable for three houses per acre.
- RC Existing and potential commercial areas which occur within a primarily recreational area and which include motels, resorts, hotels, stores, etc.
- RT Existing and potential camp and trailer sites within a primarily recreational area.
- P Existing and potential county, state, federal, and private parks, racetracks, and fairgrounds.

Miscellaneous Lands

- F Presently forested lands, or lands subject to forest management, which meet the requirements for irrigable land but which, because of climatic conditions and physiographic position, are better suited for timber production or some type of forest management program, rather than for irrigated agriculture.
- Vm Swamp and marshlands which usually support a heavy growth of phreatophytes and are covered by water most of the time.
- N Includes all lands which fail to meet the requirements of the above irrigable, urban, and recreational and miscellaneous classes.

TABLE 11
CLASSIFICATION OF LANDS IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT
(in ocres)

									Інтідавів	ole agric	agriculturol lands	apua									Present				1		Miscalloneus	Brider
Subunit					Smooth lying	bying						Ge	Gently slaping	- Bu		,	Steeply sloping	guidois		Г	spuol		in the	Necreationol Idnas	8 0 0		lands	
	>	>	1/	ďΛ	J/	Vpr	8 >	Vps	\ss \	\ 08/	I	Ħ	Нр	È	Hpr	2	Mp	ž	Mpr	1010	2	a a	RC	E T	dd	Total	L	E >
Sall Mountain	234	220	0	0	0	0	0	0	0	0	07	0	0	50	0	0	0	0	0	500	0	0	0	R	0	96	056,9	0
Callahan	2,000	07	0	0	100	0	0	0	0	0	3,080	0	06.79	0	0	1,360	940	8	0	11,000	100	0	0	0	0	0	70	0
Cylinell Reservoir	11, 10 1,270	1,270	067"5	0	9,120	9	0	160	R	0	760	150	870	74,0	370	169	R	R	2	30,390	10	0	0	20	0	8	16,750	98
East Form	2,000	180	0	0	120	0	0	0	0	0	1,740	0	78	0	2	1,040 1	1,500	0	230	7,370	10	8	0	2	0	110	1,130	9
Eddy Creek	8	230	0	0	0	0	0	0	0	0	17.0	0	0	160	07	8	Я	8	0	1,070	С	0	0	0	0	0	28	0
S-ma	22,410	8	0	0	2,560	0	0	0	0	0	1, 10	0	120	8	0	1,160	10	0	0	30,560	250	70	¢	8	ŭ,	700	0	0
Grass Lake	230	1,70	0	0	0	0	0	0	0	0	120	20	0	R	01	0	0	0	0	880	10	0	0	33	0	R	2,350	1,170
Orenada	15,230 5,380	5,380	0	0	3,60	0	2,080	0	0	170	2,730	0	1,240	9	1,50	8	230	0	0	31,820	170	0	0	0	0	0	8	9
Kidder Creek	0	9	0	0	0	0	0	0	0	0	20	0	0	0	0	20	0	0	0	130	0	8	0	120	0	170	059	0
Little Shasta	24,40 4,080	1,080	0	2,050	3,000	3,010	330	0	1,170	150	3,580	0	8,270	720	1,550	120 1	1,010	0	1,20	53,950	200	0	0	0	0	0	0	8
Lover Scott Valley	9,390	S	0	0	1,620	0	0	0	0	0	2,580	0	0	280	o	730	0	0	24,0	15,800	30	9	0	8	0	089	7750	0
ScAdam Creek	2,250	0	0	0	20	0	0	0	0	0	1,520	0	0	10	0	30	0	0	0	4,160	130	07	0	100	0	OTT	OJ	0
Woffert Greek	9,0	10	0	0	0	0	0	0	0	0	8.	0	0	0	o	230	20	0	0	1,180	10	0	0	8	0	8	2.90	0
Parks Greek	2,470 3,530	3,530	0	2170	730	2	270	077	0	0	100	0	10	910	770	0	1770	0	07	0°7°6	0	0	0	0	0	0	0	R
Stackleford Greek	30	360	0	0	0	0	0	0	0	0	160	0	0	0	0	0	0	8	0	0,00	0	38	0	8	0	380	510	0
South Park	10	340	0	0	0	0	0	0	0	0	700	0	20	190	0	980	8	0	0	2,000	0	0	0	110	0	110	1,150	0
Stewart Springe	35	2	0	0	20	0	0	0	0	0	70	0	0	190	0	0	10	0	0	097	0	70	8	0	0	8	250	0
weed	1,630	960	160	0	989	0	0	0	0	0	1,790	07/5	0	1,260	9	110	8	100	0	7,880	720	0	0	0	9	07	1,570	0
Willow Greek	7730	07	0	0	0	0	0	0	0	0	2,340	0	370	21,0	10	270	1,80	0	0	4,150	0	0	0	0	0	0	સ	0
Yreks Creek Total	100,180,17,260	10 10 17.260	6.250	2.300	21.650	3,100	0 2.680	0 9	1.200	° 8	2,300	012	930	2002	0 2	130	900	0 01	0 9	5,700	1,280	8. 8	ol 8	위 8	0 8	90	33,060	1.370
									2				1 10		- }-			200	1	П.		02264			7		- 1	

Major Categories of Land Classes

The lands manped can be grouped into four major categories: (1) irrigable lands, (2) urban lands, (3) recreational lands, and (4) miscellaneous lands: irrigable lands deemed best suited to remain under forest or range management, marshlands, and all those lands which fail to meet the requirements of the first three land class categories.

Irrigable Lands

Irrigable lands are classified according to their suitability for development under irrigated agriculture, and to their crop adaptability. Presently irrigated lands are included, but urban lands and recreational lands are not classed as to irrigability. In this survey, only physical characteristics of the land were considered. The time element with respect to when the lands might be developed did not enter the determination, except that suitability for irrigated agriculture was necessarily considered in light of present agricultural technology.

There are many factors which influence the suitability of land for irrigation development. Soil characteristics and physiography are the most stable aspects of the land, and were therefore considered in classifying lands as to irrigability. Other factors, such as the production and marketing of crops, the location of lands with respect to a water supply, and climatic conditions, were not considered in the basic classification. These latter factors are very important in estimating the nature of future cropping patterns and practices, and will be given due consideration when estimates are made of future water requirements.



Feed Mill, Montague



Stacking Lumber for Air Drying, Yreka

Urban Lands

As previously stated, the lands of Shasta-Scott Valleys Hydrographic Unit were not classified with respect to their potential urban use. Only those lands devoted to urban uses in 1958 are designated herein as "urban" lands.

Recreational Lands

Present trends indicate an expanding rate of use and demand for recreational facilities throughout the State. In view of these trends and the ever-increasing population, it is recognized that there will be a demand for substantial land areas for recreational purposes. This is particularly true of the mountainous regions, where this type of development is expanding rather rapidly at the present time.

Generally speaking, all mountainous lands are suitable for some recreational use such as hunting, fishing, and similar outdoor activities. However, for purposes of this investigation, only those lands which are now, or in the future may be, used intensively for permanent and summer home tracts, commercial areas, camp and trailer sites, and parks outside of urban areas, were classified for recreational use.

Lands suitable for potential recreational areas were classified by field observation. Primary considerations were such physical factors as soil depth, slope, and rockiness; such aesthetic values as view, nearness to lakes or streams, or density and type of forest canopy suitable for the respective uses; and the plans of federal and state forest officials. The availability of an existing water supply was an important factor in classification

of camp and trailer sites, but isolation from existing roads did not influence such classification.

Miscellaneous Lands

Presently forested lands or lands best suited for forest management which are otherwise irrigable are classed as "F" lands. Lands which were designated in the land use survey as "marshlands" are classified as "Vm" lands.

Lands which failed to meet the requirements previously described in this chapter are herein called "miscellaneous," and amounted to approximately 708,000 acres, or 76 percent of the unit. These "other lands" are not shown in Table 11.

CHAPTER V. SUMMARY

The Shasta-Scott Valleys Hydrographic Unit, which contains 1,456 square miles of central Siskiyou County, lies within the Klamath River Basin of the North Coastal area. It includes the entire watershed of the Shasta River and that portion of the Scott River watershed which is above the gaging station "Scott River near Fort Jones," some 20 miles above the confluence of the Scott and Klamath Rivers. Shasta Valley, with a north-south length of about 30 miles, and a maximum width of about 15 miles, has an area of about 220 square miles, and varies in elevation from 2,500 feet near Montague to 3,000 feet near Edgewood.

Scott Valley, which has a north-south length of about 20 miles, is narrow at its southerly upstream section near Callahan, and has a maximum width of 7 miles near Greenview. Its area is about 100 square miles and, like Shasta Valley, varies in elevation from 2,500 feet to 3,000 feet above sea level. The rugged mountains surrounding the two valleys comprise the remaining 1,136 square miles of the hydrographic unit.

Valley and foothill lands constitute about 24 percent of the total area. Agriculture is the largest single commercial enterprise in the unit. Approximately one-third of the presently cultivated lands are dry-farmed, and two-thirds are irrigated. The major irrigated crops are pasture and grain. Lumbering and associated wood products manufacturing are additional important local activities. The largest town in the unit is Yreka, with a 1960 population of about 5,000.

Water Use

Most of the water rights in Shasta Valley and some of the water rights in Scott Valley have been adjudicated by legal action, and others have been defined by private agreements. The remaining use is based primarily on riparian rights, or on appropriative rights established prior to 1914, by merely diverting and using the water.

As of June 28, 1960, a total of 68 active applications to appropriate water in the unit were on file with the State Water Rights Board. Permits or licenses were granted for 66 of these applications, and 2 were incomplete.

Approximately 73 percent of the 547 surface water diversions located were measured during 1958. The primary uses and amounts diverted are summarized below:

Primary use	Diversions located	Diversions measured	Amount measured (acre-feet)
Irrigation	529	387	276,800
Municipal	10	4	1,400
Industrial	6	2	2,900
Power	1	1	1,000
Recreation (golf course)	_1	1	100
TOTALS	547	395	282,200

The total consumptive use of applied water during 1958 is estimated to have been 42,820 acre-feet, of which 39,430 acrefeet were used for irrigated agriculture, 1,760 acre-feet for domestic and municipal purposes, and 1,630 acre-feet for industrial purposes in the production of wood products.

Land Use

The areas of present land uses within the Shasta-Scott Valleys Hydrographic Unit are summarized below. They are shown on Plate 2 and illustrated graphically by the pie-chart in Figure 1.

Use	Area, in acres
Agricultural lands	
Lands irrigated in 1958	79,380
Lands normally irrigated but idle or fallow in 1958	3,230
Dry-farmed lands	40,380
TOTAL	122,990
Recreational lands	90
Urban lands	3,280
Meadowlands	4,020
Marshlands	1,380
Native vegetation	800,140
TOTAL AREA OF UNIT	931,900

Land Classification

The land classification survey reported in Department of Water Resources Bulletins Nos. 58 and 83 was used in this investigation, with additional data on classification of recreational lands, some minor modifications to the irrigable agricultural lands, and a resurvey of present urban lands. The results of these surveys are summarized below. They are shown on Plate 3, and are illustrated graphically by the pie-chart in Figure 2.

Classification	Area, in acres
Irrigable agricultural lands	219,050
Recreational lands	1,910
Present urban lands	3,280
Miscellaneous lands	
Irrigable forest management lands	33,060
Other lands (including "Vm" lands)	674,600
TOTAL AREA OF UNIT	931,900

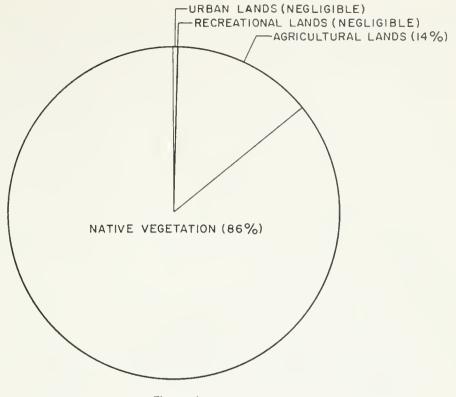


Figure 1 1958 LAND USE

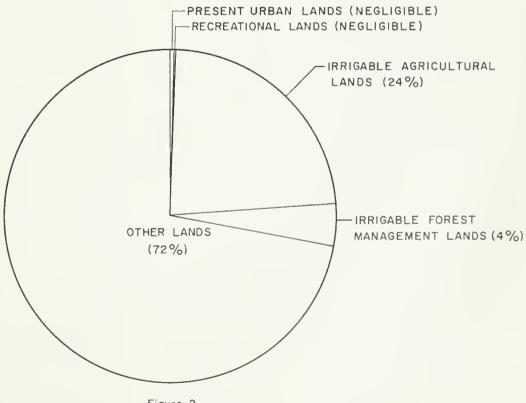


Figure 2
CLASSIFICATION OF LANDS



APPENDIX A COORDINATED STATEWIDE PLANNING PROGRAM

APPENDIX A

COORDINATED STATEWIDE PLANNING PROGRAM

California's major water problem today is that of development and delivery of supplemental water supplies to meet increasing water requirements throughout the State. The problem involves (1) the regulation of seasonal and cyclic fluctuation of streamflow to meet demand schedules in the areas of origin, and (2) the transmission of regulated surplus flows over long distances to areas of deficiency. The development and long distance transfer of water is currently accomplished by such major facilities as the federal Central Valley Project and the Colorado River Aqueduct of The Metropolitan Water District of Southern California. However, such development and transfer will be considerably broadened in scope by the State Water Facilities.

Consumptive water requirements of the State on a basin-wide basis were estimated in State Water Resources Board Bulletin No. 2, "Water Utilization and Requirements of California," June 1955. However, to provide for local water needs while considering specific export projects, more detailed information must be made available on present and projected future water requirements of the areas in which the projects are to be built. This will necessitate considerably more detailed collection and analysis of data on the hydrology, land use, land capability, and economics.

Recognizing that additional information is needed if the water needs of areas of origin are to be adequately protected in large-scale water development projects, the 1956 Legislature authorized an investigation to determine the water resources and water requirements of the respective watersheds in the State. The authorization is contained in Chapter 61, Statutes of 1956, as amended by Chapter 2025, Statutes of 1959. This legislation is codified in Section 232 of the Water Code as follows:

- "232. The Legislature finds and declares that in providing for the full development and utilization of the water resources of this State it is necessary to obtain for consideration by the Legislature and the people, information as to the water which can be made available for exportation from the watersheds in which it originates without depriving those watersheds of water necessary for beneficial uses therein. To this end, the department is authorized and directed to conduct investigations and hearings and to prepare findings therefrom and to report thereon to the Legislature at the earliest possible date with respect to the following matters:
- (a) The boundaries of the respective watersheds of the State and the quantities of water originating therein;
- (b) The quantities of water reasonably required for ultimate beneficial use in the respective watersheds;
- (c) The quantities of water, if any, available for export from the respective watersheds;
- (d) The areas which can be served by the water available for export from each watershed; and
- (e) The present use of water within each watershed together with the apparent claim of water right attaching thereto, excluding individual uses of water involving diversions of small quantities which, in the judgment of the Director of Water Resources, are insufficient in the aggregate to materially affect the quantitative determinations included in the report.

"Before adopting any findings which are reported to the Legislature, the department shall hold public hearings after reasonable notice, at which all interested persons may be heard."

For purposes of this investigation, the State has been divided into twelve major hydrographic areas which are shown on Plate 1. These areas, in turn, have been subdivided into hydrographic units generally comprising watersheds of individual rivers. Basic data on present water uses, together with the apparent claim of water right attached thereto, present land uses, history of land and water uses, and the classification of lands will be presented separately for each hydrographic unit in this series of reports on land and water use. Bulletin No. 94-5, "Land and Water Use in Shasta-Scott Valleys Hydrographic Unit," is the fifth of a series reporting the results of these surveys.

In this program, the Department not only develops the basic data such as are presented in this report, but utilizes these data in preparing the best possible current estimates of future water requirements to supersede those of Bulletin No. 2 and other earlier studies. These projections, together with hydrologic and water quality data on local water supplies, and estimates of the resulting excesses or deficiencies, will be published in a second series of bulletins, designated as the Bulletin No. 142 series.

Calculations of future water requirements will be based on predicted future land uses derived from land classification surveys, economic studies, population forecasts, industrial and agricultural development, and recreational needs. Agricultural water requirements will be based on unit water use by the

various predicted crop types. Urban and recreational requirements will be based on per capita water use values. Fish and wildlife requirements will be based on the amount of streamflow needed, or the water demands for wildlife. Industrial water requirements will be based on measured water deliveries to various types and sizes of industries now existing. In forecasting future industrial development, water quality problems will be given full consideration.

Water resources will be determined from records of all stream gaging stations, including new stations which were established for this and other investigations of the Department. The new stations were generally constructed on streams which originate in the smaller watersheds, for which runoff data are necessary, but for which no data have been available.



APPENDIX B

REPORTS ON RELATED INVESTIGATIONS AND OTHER REFERENCES

APPENDIX B

REPORTS ON RELATED INVESTIGATIONS AND OTHER REFERENCES

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APPENDIX C
LEGAL CONSIDERATIONS

TABLE OF CONTENTS

																		Page
Califo	rnia Wa	ter Ri	ghts .		•	•	•	•	•	•	•	•	•	•	•	•	•	C-3
R	iparian	Right	5		•	•	•	•	•	•	•		•	•	•	•	•	C-4
0	verlyin	g Right	cs		•	•	•	•	•	•	• (•	•	•		•	C-5
А	ppropri	ative l	Rights	5 .	•	•	•	•	•	•	•		•	•	•		•	c-6
P	rescrip	tive R	ights	•	•	•		•		•			•			•	•	C-9
D	etermin	ation o	of Wat	cer	Ri	.gh	ts		•	•				•	•	•	•	C-10
Litiga	tion Co	ncernin	ng Wat	er	Ri	.gh	ts		•	•	• •			•		•	•	C-11
S	hasta R	iver Ad	djudio	at	ion	l	•	•	•	•	• •		•		•	•	•	C-11
S	hacklef	ord Cr	eek Ac	lju	dic	at	ior	n	•	•			•	•	•		•	C-12
J	ohn H. (Frenc	Mason, h Creek					Haı	rr;	y 1	M.	Ве	mr	od .	, ∈	et •	al •	•	C-13
S	ugar Cr	eek Ad;	judica	ati	on		• •	•	• (•	•	•	•	•	•	•	C-14
Applic	ations	to Appr	opris	te	Wa	te	r ,	•	•	•		•	٠	•	•	•	•	C-15
					TA	BL	ES											
Table No.																		
C-l A	pplicat	ions to									n S	ha	sta	3 –				C-16

APPENDIX C

LEGAL CONSIDERATIONS

There are set forth in the following paragraphs brief general statements with respect to the California law of water rights, to supplement, and to provide a background for information on water rights contained in Chapter II. Also included is a tabulation of currently valid applications to appropriate water within Shasta-Scott Valleys Hydrographic Unit filed with the State Water Rights Board.

California Water Rights

In California, water rights convey only the right to use water. Until absolute possession of water is acquired by some artificial means, no one owns water. However, the owner of water rights is entitled to enjoy them without interference by other users who have rights which are inferior to his.

Five kinds of water rights are recognized in California. These are riparian, overlying, appropriative, prescriptive, and pueblo. Riparian rights attach to surface water and water flowing in known and definite subterranean channels, while overlying rights attach only to underground water. Appropriative and prescriptive rights may be acquired in either surface or underground waters. Pueblo rights are now exercised in California only by the cities of Los Angeles and San Diego, each of which has a paramount right to satisfy its full needs from the stream system of waters flowing by the former Mexican pueblo from which each sprang.

All water rights, both to surface and to underground water, are subject to the doctrine of reasonable beneficial use

expressed in Section 3 of Article 14 of the California Constituti and Water Code Sections 100 and 101. This doctrine limits water rights to the quantity of water reasonably required for beneficia use and prohibits waste, unreasonable use, and unreasonable metho of use or diversion.

Riparian Rights

A riparian right entitles the owner of lands which bord or front on a watercourse to take water therefrom for use on such lands within the same watershed. However, the rights of the owner of riparian land are limited to the reasonable beneficial use of the natural flow of water which passes his land. Riparian rights pass with the title to the land, unless expressly reserved or excepted from the interests transferred, and are not gained by use or lost by mere nonuse. Although the land must be contiguous to the watercourse, the length of the frontage is not determinated of the rights; a large tract with a small frontage on a stream made to the stream. But the original grant determines the character of the land, and only the smallest contiguous tract he under a single title retains riparian rights.

A riparain owner has no right to any specified amount of the water of a stream as against other riparian owners. He has rights only to a reasonable share from the stream -- a correlative right which he shares mutually with other riparian owners. In the event of insufficient water for all, the available supply mutube apportioned, except that an upper riparian owner may take the

whole supply if necessary for domestic use. As against appropriators, the riparian owner has the paramount right to all the water of the stream which he can put to reasonable beneficial use, but that is the extent of his right, and the appropriator can take the surplus.

Riparian rights do not authorize use of water on nonriparian land, nor do they permit the seasonal storage of water. Neither do they prevent temporary appropriation by others of water not presently needed for use on riparian land.

A parcel of land becomes nonriparian when severed from land bordering the stream, unless the riparian rights are reserved for the severed parcel by the grantor. Riparian rights may be destroyed when purportedly transferred apart from the land by grant, contract, or condemnation, and may be impaired or lost through prescription.

Overlying Rights

Owners of lands overlying a common underground water supply have the right to withdraw water for reasonable beneficial use on their overlying lands. Such overlying rights are analogous to riparian rights, in that both are based on ownership of land, and the rights of each overlying owner are mutual and correlative to the rights of all other owners. In the case of insufficient water to fully supply the requirements of all, the available supply must be equitably apportioned.

Overlying rights do not include use of water on nonoverlying land. However, surplus water not presently required for beneficial use on overlying land, and which may be withdrawn without creating an overdraft on the ground water supply, may be appropriated for use on nonoverlying land. But the overlying rights are paramount and all appropriative rights are subject to the future requirements of overlying land.

Appropriative Rights

An appropriation of water is any taking of water for other than riparian or overlying uses, whether such taking is from the underground by wells or from surface streams by direct diversion or storage. An appropriator, in the legal sense, is one who initially takes water without possessing rights which are based on the ownership of land. As between appropriators, the one first in time is the first in right. A prior appropriator may take all the water he needs up to the full amount to which he is entitled before a later appropriator may take any.

Normally, appropriative rights are inferior to riparian rights. An exception to this is the case of an appropriation of water diverted from streams flowing through vacant public lands before the riparian lands were withdrawn from the domain of the United States. The appropriative diversions or the lands they serve may be either upstream or downstream from the riparian lands. Any water not needed for the reasonable beneficial uses of those having prior rights may properly be appropriated.

No formal or statutory procedure is or ever has been prescribed or required in this State for those who take water by means of wells from underground percolating waters or underground basins. An appropriative right to take surplus water from such

sources is acquired by extracting such water from the underground and applying it to beneficial uses.

Provided the development and application to use are completed with reasonable diligence, the priority of the right as against another appropriator related back to the first substantial act toward putting the water to use or to the date of application. Until 1872, water flowing in natural streams was appropriated by taking the water.

Sections 1410 through 1422 of the Civil Code, enacted in 1872, established a permissive procedure for perfecting an appropriation of surface water. Provision was made for posting a notice of appropriation at the proposed point of diversion and recording a copy with the county recorder. If the statutory procedure were followed and the appropriation completed with due diligence, priority related back to the date of posting; otherwise, priority was established only when the water was put to beneficial use.

Since the effective date of the Water Commission Act of 1913, December 19, 1914, appropriation of surface water and water in subterranean streams flowing in known and definite channels has been by compliance with required statutory procedure. An appropriation of such water now can be made in accordance with the provisions of Part 2, Division 2 of the Water Code (Water Code Sections 1200 to 1801). An application to appropriate unappropriated water must be filed with the State Water Rights Board. If the application is approved, a permit is issued authorizing the appropriation. When the appropriation has been completed, an inspection is made and a license is issued, to the extent of beneficial use, provided the terms and conditions of the permit have been fulfilled.

The priority of a permit or license relates back to the date of the application.

A right to appropriate water may be lost either by abandonment or by continuous nonuse. To constitute abandonment, there must be concurrence of act and intent, wherein possession is relinquished with no intent to resume it for a beneficial use.

Abandonment is, therefore, always voluntary and factual. In the case of an appropriation initiated prior to 1914, continuous nonuse for a period of five years results in the loss of appropriative water rights. In the case of appropriative rights acquired pursuant to the Water Commission Act or the Water Code, continuous nonuse for a period of only three years may result in loss of such rights.

Where ground water and surface water are interconnected, one acting as a tributary to the other, both are treated as part of a common supply and users of water from either source are entitled to protection from substantial injury as a result of use by others of water from the other source. Thus, an owner of land riparian to a stream may have his right to the use of water protected against impairment by an appropriator of percolating ground water tributary to the stream and required for the maintenance and support of its flow. Likewise, where water from a stream percolates to a ground water basin or stratum, the owner of land overlying the ground water supply may be protected from an appropriation of water from the stream if this causes a substantial impairment of the ground water supply. As between riparian use of surface water and overlying use of ground water tributary to the stream, a sharing of the available water supply on the basis of reasonable beneficial use should be made.

Prescriptive Rights

It is possible to appropriate surface or ground water which is presently needed by others to satisfy riparian, overlying, or prior appropriative rights. Such appropriations may ripen into prescriptive rights where the use is actual, open and notorious, hostile and adverse to the original owners, continuous and uninterrupted for the statutory period of five years, made under claim of right, and with payment of taxes whenever such have been levied on the water rights. Absence of any of these essentials precludes the acquisition of prescriptive water rights.

Prescription of a right thus requires that, for a period of five years, the rightful owner either knows or should know of the adverse taking and fails to take any physical or legal steps to interrupt such taking. Irrespective of the needs or demands of the riparian, overlying, or prior appropriative user, an absolute right to only a fixed amount of water may be acquired by prescription. The quantity of such a right is determined by beneficial use. However, present use is the measure of the prescriptive right, and future needs cannot be included.

Riparian rights, overlying rights, appropriative rights, and prescriptive rights may be lost or diminished by prescription. While there is sufficient water flowing in a stream to supply the wants of all parties, the use of the water by anyone does not deprive the others of their water supply and, hence, is not an invasion of their rights. The same principle applies to a downstream diversion of water as against the rights of an upstream riparian landowner or prior appropriator. At times when the safe yield of a ground water basin exceeds the needs of overlying

landowners and appropriators, their prior rights are not invaded by a later appropriative taking of water from the underground supply. The later appropriation becomes adverse only when the ground water basin is overdrawn; that is, when the annual draft exceeds the safe annual yield. Although neither an overlying owner nor a prior appropriator may prevent a taking of surplus water, either the owner or the appropriator may institute legal proceedings to safeguard the supply once a surplus ceases to exist, and may enjoin any additional use beyond the point of safe yield. Since prescriptive rights can only be acquired to nonsurplus water, these rights cannot ordinarily be acquired against the future needs of riparian or overlying owners.

The prior appropriator, lower riparian, or overlying owner may protect his rights for his present needs against an adverse appropriator by actually taking the needed water before the five-year period has run, or by the aid of the courts in the form of a declaratory judgment or injunction within the five-year period.

Determination of Water Rights

Under provisions of the Water Code, actions brought before either state or federal courts which involve determination of rights to the use of water may, at the court's discretion, be referred to the State Water Rights Board. Under provisions of Water Code Section 2000, the court may appoint the board to referee "any or all issues involved in the suit", or under Section 2001, it may limit the reference to "investigations of and report upon any or all physical facts involved". This reference procedure may be followed in suits involving either surface or ground waters, or both.

An alternative procedure for adjudication of rights to the use of water of streams, lakes, and other bodies of water, is available upon petition to the State Water Rights Board, but the method excludes the determination of rights to take water from an underground supply other than from a subterranean stream flowing through known and definite channels. Water Code Sections 2500 to 2900, inclusive, authorize the initiation of such proceedings.

Court actions which involve a determination of all the relative rights to the use of water of an entire stream or stream system and/or ground water basin afford a basis for distribution of water after decrees under watermaster service. Water users may secure the services of the Department of Water Resources under Water Code Sections 4000 to 4407, inclusive, in making distribution of the water to them according to their respective rights as determined by the court.

Litigation Concerning Water Rights

Shasta River Adjudication

In July 1921, several water users on the lower Shasta River complained to the Division of Water Rights of the lack of water due to diversions by upstream permittees. An investigation was made by the division, and after mutual agreement of the parties, an engineer of the division was stationed in the valley to apportion the water. After receiving a petition for complete adjudication of the water rights on the Shasta River system, an order initiating the proceedings was entered by the Division on December 21, 1921.

A field investigation was conducted during the summer months of 1922 and 1923 in which measurements were made of the

water supply and the various diversions. The report of this investigation was submitted on July 1, 1925, and the adjudication proceedings were initiated in the Superior Court of the State of California, in and for the County of Siskiyou, in June 1928. The judgment and decree were entered December 30, 1932, in Judgment Book 12, page 189.

Although over 600 diversions are entered in the adjudication, not all of them are reported in this investigation. Some did not meet the minimum size requirements, some have been combined with other diversions, and others have been abandoned.

Shackleford Creek Adjudication

On January 18, 1944, certain water users filed a petition with the Department of Public Works, requesting a determination of the rights of the various claimants in and to the use of the waters of Shackleford Creek and its tributaries. On September 1, 1944, the Department began an investigation of water supply, conduits diverting water, lands irrigated, and other data essential to the determination of rights. Field work was completed on about November 1, 1944.

Thirty-seven proofs of rights were filed with the Department by claimants, after which the Department determined the rights of the parties involved. During the 1945 and 1946 irrigation seasons a trial distribution of waters, supervised by a department watermaster, was conducted.

All the evidence taken by or filed with the Department was opened for inspection by all interested parties, and contests of claims were received by the Department. Hearings were then held until all contests were disposed by agreement.

An agreement entitled "Stipulation for Order of Determination" was signed by all parties to the determination except two, whose joint claim of right is based upon Application 10350 and Permit 6113. The agreement provides that all of claimants' rights and interests in the use of waters of Shackleford Creek and its tributaries are settled and compromised as set forth in the agreement which was filed October 3, 1949. On January 19, 1950, the Order of Determination was affirmed by the Superior Court of the State of California, in and for the County of Siskiyou, after no exceptions were filed. The decree was entered in Judgment Volume 19, page 472. Application 10350 and Permit 6113 were revoked on February 24, 1959.

John H. Mason, et al, vs. Harry M. Bemrod, et al (French Creek)

On August 3, 1951, owners of riparian lands along
French Creek brought suit in the Superior Court of the State of
California, in and for the County of Siskiyou, to establish their
right against upstream users. An answer and cross complaint were
filed on October 17, 1951. On February 25, 1952, an amended
cross complaint was filed, naming additional parties who use water
from French Creek, and praying that they would appear in court and
state the nature and extent of their water right. By order of
reference filed March 19, 1953, the Department of Public Works,
acting through the State Engineer, was appointed referee to
investigate and determine the issues involved in the action. Upon
motion by the Department of Public Works and by "Minute Order"
dated February 14, 1955, the court directed that all diverters
and potential diverters be brought into the action.

An investigation was conducted by the Department which included a survey of the location of ditches and areas irrigated, measurement of streamflow, and water use. The results of these surveys and measurements were compiled and are contained in two reports, "Water Supply and Use of Water on French Creek Stream System, March 1945", and "Supplemental Report on Water Supply and Use of Water on French Creek Stream System, February 1956", On July 5, 1956, the Department, as referee, filed its final report with the court. Exceptions to this report of referee were filed by six water users on French Creek. The Division of Water Resources of the Department of Public Works was succeeded by the State Water Rights Board as referee, effective July 5, 1956.

The case came before the court for hearing and trial between June 16 and June 23, 1958, in which the rights and interests of all parties involved were determined. A judgment was filed July 1, 1958, and entered in Civil Judgments, Volume 7, page 82.

Sugar Creek Adjudications

Three adjudications for water in Sugar Creek were made by the Superior Court of Siskiyou County:

6/20/06 Case No. 2719 Watson vs. Wade

3/23/26 Case No. 5904 Parker vs. Fay and Deas

5/5/64 Case No. 19227 Barnes, LaFevers, and Birdwell vs. Mullins, Cook, et al.

The 1906 adjudication established nine priorities. The 1926 adjudication modified the first and second priorities. The

1964 adjudication made no changes in these priorities but did assign priorities to two rights established by appropriation under Application Nos. 15769 and 15770, decreeing them junior to priorities 1, 2, 7 and 8 of the 1906 adjudication. (The remaining priorities were not mentioned in the 1964 decree.)

The nine original priorities and the 1926 modification, are listed below. Also shown are those diversions described in this report that could be identified with the priorities.

Diversion Number	Priority	Amount of Right (MI under 4" pressure)
40N/9W-11J1	lst	30 (increased to 60 MI)
40N/9W-12Fl and 12F2	2nd	85 (decreased to 55 MI)
40N/9W-15K1	3rd	76
Not identified	4th	125
40N/9W-21A1	5th	180
40N/9W-15K1	6th	19
40N/9W-11J1	7th	70
40N/9W-11Q1	8th	100
40N/9W-15K1	9th	605

Applications to Appropriate Water

Applications to appropriate water within the Shasta-Scott Valleys Hydrographic Unit, filed with the State since 1914 and active on June 28, 1960, are summarized in Table C-1. For each application relative to a diversion reported in Chapter II the diversion location is included in the table. The status of each application as to the granting of a permit or license is also shown in the table.

APPLICATIONS TO APPROPRIATE WATER IN SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT TABLE C-I

(Filed with State Water Rights Board as of June 28,1960)

4 (23/15 11/2/15 11/3/23 11/3/	Present Owner Grenade Errigation District Scott Valley Errigation District Frank J. Hayden	Locotion	Source	4/	1/4 Sec Tp R.	Sec	0		Amount	Purpose	Status
	Grenada Irrigation District Scott Valley Irrigation District Frank J. Hayden					_	<u>.</u>	S 60 60			
	Scott Valley Irrigation Distract Frank J. Hayden	109-MS/NE7	Shasta River	MN	NW	9	MS NE7	ě	40.0 cfe Apr 1-0ct 1	Irrigation, 1,909 acres	P-501
	Frank J. Hayden	41H/94-281	Scott Edver	MW	NE	2 77	M6 NT7	9	62,50 cfs Jan 1-Dec 31	Irrigation, 5,131.3 acres	1-441
		1761-Ma/NO7	East Pork Scott Edver	NE	SW.	13 7(M9 NO7	<u> </u>	1.25 cfs Jun 1-Aug 1	Irrigation, 80 acres	1-325
	Montague Water Conservation District	L3N/5₩-25L1	Shasta River	MM	SE	35 45	MS NE7	9	35,000 af oct 1-Jun 15	Irrigation, 19,500 acres	P-2452
	Montague Water Conservation District	12N/5W-29Q1	Parks Creek	MN.	355	8	MS NET	9	14,000 af Oct 1-Jun 15	Irriged on, 19,500 acres	P-2453
	W. A. and Effe Wellons and Frank Alexander	L2V/54-28EL	Shasta River	MS	NW 2	28 4.2N	N SM	Q.	7 af Dec 1-Mar 3	Irrigation, 34 acres	L-1195
	R. W. Ekstrom	777/64-14A1	Shasta Aver	NE	NE 1	77.	MY PM	9	0.25 cfe Mar 1-Jun 15	Irrigation, 20 acres	1711-1
	Montague Water Conservation District	45N/5#-26R2	Little Shasta River	SE	38	NS 7 92	NS SW	9	2,30 afe Jan 1-Dec 31	Industrial, municipal, and domestic	P-2581
	G. N., E. H., P. L., and P. H.	1	Little Carmen Creek	35	NW 2	53 77	M2 N07	Q.	0.85 cfe Feb 1-Jun 30	Power	1-2238
	G. H., E. M., P. L., and F. H.	-	Little Carmen Creek	SE	NW 2	57	M2 N07	9	3 cfs Feb 1-Jun 30	Mining and domestic	1-2239
7825 1/26/34	Robert L. Gouch	ı	Mil Greek	ME	NE 2	88	MOT 10M	9	0.62 cfs Mar 1-Nov 1	Irrigation, 30 acres	1-1966
8809 10/10/36	William W. Valentine, Jr.	43N/5W-15R1	Clear Spring	MS	NW 2	NE7 22	MS NE	g -	2.5 cfs Mar 1-Nov 1 Jan 1-Dec 31	Irrigat on, 203.15 acres Stockwatering	12151
10479 6/15/42	Mabel M. and Wilbur L. Montgomery	1	Kidder Greek	MN	NW 3	31	M6 NE7	9	1.1 cfs Apr 1-Jun 30	Irrigetion, 40 acres	1-3231
10547 5/28/43	Mertert A. Sleep	1	Hayden Spring South Pork Humbug Gulch	W.	SE SE	N57 72 73	N ZW	모모	0.9 af Nov 1-Mar 1 2.61 af	Irrigatioo, 6 acres	I~4588
10789 3/22/44	Mary M. and Verme S. Alexander	1	Rattlesnake Creek	Ä	75.	179	76 R777	£	15,000 gpd Nov 1-Jul 31 Mar 15-Jul 31	Domestic and stockwatering Irrigation, 1 acre	1-3133
10930 12/11/44	R. E. and Ann Peabody	1	Peabody Creek tributary to Parks Creek Spring tributary to Peabody Creek	SE	N. N.	33	LLN SW	모모	0.125 efs Jan 1-Dec 31 Apr 1-Oct 31	Domestic and stockwatering Irrigation, 5 acres	1-3649
10949 1/8/45	Earl B. Plock	45N/5W-32H1	Little Shasta Miver	SK	₩ 	32 4.5N	N.	₽	9.6 of an 1-Dec 31	Irrigation, 477.84 acres	1-5066
10982 2/14/45	Donald E. and Illene D. Watson	45N/5M-30J1	Little Shasta Miver	NE	SE	30 45N	- N	g	3 cfe Mar 1-Mar 31 223 af Nov 1-Apr 1	Irrigation, 92.9 acree	1-4286
11059 5/26/4.5	Edyth Muss and Marris Muss Cornick	45N/4W-30K2	Sassy Spring Creek	M.S.	3	NS 7 06	M7 NS	₽	2.9 of Nov 1-Dec 1	Irrigetion, 230 acres Stockwatering	1-3413
11084 6/25/45	Jessie C. Martin	1	Martin Spring Creek	NE NE	NE 3	NS7 06	M7 N	Q.	3.0 cfa Nov 1-Dec 1 0.9 cfe Dec 1-Mar 1	Irrigation, 300 acres	1-3432
11092 6/29/45	Edson L. Poulke, Jr.	43N/6W-34R1	Willow Creek Klernan Slaugh	SE	88	35 42N 35 42N	M9 N	99	308 af Nov 1-May 1	Irrigation, 455.5 acres	6977
11463 7/10/46	Ster Ranch, Inc.	63N/9M-3H2	Scott Alvar	SE	EN.	3 43N	N 94	Ð	10 ofe Nan 1-Dec 31 Apr 1-Oct 1	Stockwatering Irrigation, 736 acres	7675-1
1723/47	Earl B. Flock	45N/5W-32HI	Little Shasta Kiver	SS	NE 3	32 45N	MS SW	Ð	1,000 af Dec 1-Mar 1	Irrigation, 477.2 acree	1-5067
12070 9/5/47	Margaret 8. Collins	I	South Pork Scott diver	SE	38	33 70N	76 NI	9	2 ofm Jan 1-Dec 31	Mining and domestic	1-3%7

TABLE C-I (Continued)
APPLICATIONS TO APPROPRIATE WATER IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT

(Filed with State Water Rights Board as of June 28,1960)

						Locoston of Point of Discussion	g g	1	2	-			
Number	Filed	Present Owner	Location	Source	74	1/4	Sac	a F		0 0	Amount Olversion	Purpose	Status
ואביו	10/31/47	Wilbur L. and Mabel M. Montgomery	1	Kidder Greek	NA	Ned	33	NE7	35	ð	0.3 cfs Apr 1-Jun 15	Irrigation, 10 acres	L-3232
12738	10/8/18	C. E. and Buth F. Barnett	1	Alder Greek tributary to Etna Greek	SE	DK UI	9	NT7	₹.	Ð	0.25 cfe Jan 1-Dec 31	Power and domestic	1-3705
12929	2/10/49	United States Klamath National Forest	1	Boulder Greek	N.	M	2	39N	26	Q	11,500 gpd Jan 1-Dec 31 Hay 1-Sopt 15	Domestic Irrigation	1-3609
13150	6/13/49	Ray Soule	45N/4W-1912	Little Shasta Rivor	Ä	Siw	19	N57	34.77	Ð	132,2 af Dec 1-Feb 1	Irrigation, 204.4 acres	1-4591
13200	67/0€/9	Donald E. and Illene D. Watson	45N/5W-3001	Little Shasta River	NA NA	SE	R	N5 7	345	Q.	318 af Nov 1-Apr 1	Irrigation, 116.7 acres	1,287
13283	67/8/8	R. E. H. Julian	44N/6W-21A1	Julian Greek	SE SE	ME	ನ	N*7*	Mg	Ð	19 af Nov 1-Apr 1	Stockwatering, flow culture, and lirigation, 160 acree	1-5309
13462	64/77/71	Earl 8, Flock	45N/5W-32H1	Little Shasts Rdver	SE	N E	32	N5 7	3M	Q	2,250 af Nov 1-Mar 1	Irrigation, 1,148.3 acres	P-7918
134,90	11/23/49	Harry G. Matteson, Jr.	1	Paiffy Gulch tributary to Etna Grenk	S S	Ð	50	NT7	M6	Ð	0.5 afe Apr 1-Jun 1	Irrigation, 45 acres	1-4725
1,14,91	11/55/49	Harry G. and Brenda Matteson	1	Etna Greek	New	ã	ا	NT7	35.	Q	1.0 cfe Mar 15-May 15	Irrigation, 60 ecres	1-3982
13631	3/13/50	Freezan Srothers	1	Shasta River	SE	NW	Ħ	N [†] Y [†] N	М9	£	1,25 of Mar 15-Sept 3	30 Irrication, 101 seres	P-8058
77'0277	11/28/50	Leonard L. Shellsy	45N/4W-1912	Little Shasta River	E	*5	19	7 2N	35	£	363.4 af Dec 1-Feb 1	Irrigation, 356.43 scres	1-5349
14580	11/15/51	Earl 8. Plock	45N/54-32H1	Little Shaeta River	SE	Ñ	32	45N	M.	Ð	6.0 cfe Mar 1-Jun 1	Irrigation, 341,52 acres	1-5068
14712	3/13/52	Brice M. and Mildred Long	ı	Tributery to Little Sheets Edver	NA.	MM	R	N57	36	£	0.5 cfe Nov 1-May 31	Stockwatering	1-5396
15015	9/12/52	Donald True, Sr. and Mrgurette L. Trus	1	Julien Creek	員房	SW	27	ULN ULN	M9	9 9	0,75 cfs Mar 1-Nov 1	Stockwatering and irrigation,	P-9860
15212	3/2/53	International Paper Company	1	Grazly Greek	AS.	SE	33	NO7	М6	Q	0.035 cfe May 1-0ct 1	Irrigation, 2 acres	1-5281
15613	11/18/53	Alexander N. Commacher	1	Little Jackson Greek	S	NE	0.	39W	M6	ě	2,0 cfe Jan 1-Dec 31	Mining and domestic	1-5650
15087	1/15/54	Charlen T. and Ellen B. Drusmond	44H/54-2001	Tributary to White Slough	S.	38	8	N, J, J,	24	Ð	110 af Oct 1-Apr 1	Irrigation, 282 acres	P-9823
15769	3/10/54	Glenn C. and Setty P. Barnes	401/9W-11J1	Suger Creek	Æ	S S	ı	NO*7	*6	ę	1.25 cfe Mer 1-Nov 1	Irrigation, 100 acres	1-5266
15770	3/10/54	Donald and David LaFevore	408/9W-1151	Sugar Creek	E.	B0 C3	1	NO7	8	Ð	2,25 cfe Mar 1-Nov 1	Irrigation, 166 acres	1-5265
16149	11/22/54	Carroll W. and Ceraldine N. Birdwell	121N/94-31D1	Scott Maer	NW	MM	31	N*77	M/2	ē	2 cfs May 15-Oct 1	Irrigation, 135 acres	1-6012
15304	5,/2/2	United States Klamath National Forest	e e e e e e e e e e e e e e e e e e e	Spring tributory to Mill Greak	AW.	SE	27	NT7	104	P	2,000 gpd May 1-Oct 31	Domestic and stockwatering	1-5316
16392	5/22/55	City of Treka	45N/7W-23D1	Subsuriace flow of Treka Greek	NW	N.S.	23	N57	75	ę	1.68 cfe Jan 1-Dec 31	Municipal	16037
16507	8/8/55	Monta ye Water Conservation District	43N/5W-25L1	Shasta Myer Parks Greek	NE SM	* SS	22 22	N57	75.	모모	20,000 af Oct 1-Jul 1	Irrigation, Il,500 acres	P-10751
16536	8/22/55	Bernard F. and Harriet A. Davidson	13N/44-11M	Tributary to Scott Miver	-M-CT	NW	я	HE7	94	g	0.61 ofs May 15-Oct 1	lrrigation, 125.29 acres	1-6010
	the same				100		100		1;	Pandi	The state of the s		

* P - Indicates parent number of epplication approved, L - Indicates literate number of right confirmed, Indicates application not yet complete. Parding - Indicates application complete but not yet approved.

TABLE C-I (Continued)

APPLICATIONS TO APPROPRIATE WATER IN
SHASTA-SCOTT VALLEYS HYDROGRAPHIC UNIT
(Filed with State Woter Rights Board as of June 28,1960)

•	Status	1-5546	1-5576	Incomplete	Incomplete	P-11526	P=10958	P=11148	P=11 209	P=12009	1-5973	P-11768	P-11696	P-11682	F-11935	P=1.2056	P-11975	P-11907	P=12309			
d	Purposs	Stockwatering and recreitional	Stockbatering	Irrigation, demostre, manicipal, industrial, recreational, and fish and wildlife	Irrigation, docestic, municipal, industria; recreational, and fish and wildlife	Irrigation, 172 acres	Domestic and power	Stockwatering and irrivation,	Domestic	Stockwatering, recreational and Arrigation, LiO acres	Domestic	Irrigation, 1,628.7 acres	Municipal	Domestic and irrigation, 4.5 Acres	Hereational and irrigation,	Stockwatering	Stockwatering	Irrigation, 25.2 acres	Domestic and irrigation, 30 acres			
Pariod	Diversion	Nov 1-Apr 1	Nov 1-Apr 1	Jan 1-0ec 31	Jan 1-Dec 31	Apr 1-0ct 31	Jan 1-Dec 31	Nov 1-Apr 1	Jan 1-Dec 31	Oct 1-Apr 1	Jan 1-Dec 31	Apr 1-Oct 1	Jan 1-Dec 31 Nov 1-May 1	Jan 1-Dec 31	Oct 1-Mar 30	Apr 1-Dec 31	Apr 1-Dec 31	Mar 1-Sept 30	1-Sept 15			
	Amount	3.2 a£	J.33 af	120,500 af	208,000 af	2.75 cfs	1.53 cfs	11 af	6,341 gpd	30 af 38 af 48 af	2,880 gpd	<5 cfs	4 cfs	4,000 Rpd	150 af (500 gpd	500 gpd	0.35 cfs	0.25 cfs Jun		•	
	9.0 M	Ð	Ð	Q.	æ	ð	Ø	모 모	QW	9999	見見	Ð	МО	Q	0M	Ð	Ð	욧	ð			
Diversion	α;	7.4	₩ 80	36 0	M 50	18	M.S.	6 M	74	8888	7.M.	*	M.	10%	C.M.	75	M8	M.	MOT			
0	Ţp	7,27	E-28	N57	NO7	1177	NT7	NS7	K57	CLN CLN CLN	NO7	1,3N	N 5 7	7,3%	N57	N57	K57	N5*7	16.3M			
Location of Point	Sec.	38	98	-	17	34	17	2.2	19	8228	60 60	m	33	13	3	73	17	~	3%			
ocation	1/4	SE	MM	1	ı	2	MS.	MW NW	SW	SW NE SW	SE	N)	N	MN	NN.	Z)	Z,	SE	2	 		
	1/4	in in	35	1	1	SA	黑	SE	MS	NW SW SE	国民の	NE	E	AS.	350	NA.	N	병	PAR.			
4	#00 E	Royna Falley Greek	McConnahue Galch	Shasta (QwrF	Seutt ihver	Lost Springs	Eddy Creek	Tributary to Oregon Slough	Spring tributury to Greenorm Greek	Tributary to white Slough Tributery to white Slough Tributery to white Slough Tributery to white Slough	Spring tributary to East Fork Scott Hiver Spring tributary to East Fork Scott River	Scott diver	Greenhorn Crfek	Spring tributary to Mill Greek	Tributary to Oregon Slough	Tributary to Indian Greek	Kelly Julch	Shasta River tributary to Klamath River	Emigrant Greek tributary to Mill Greek			
Diversion	Location		ŧ	I	ŀ	1	L1X/54-17F3	45N/0W-22C1	1	144/54-2043 444/54-1931 441/54-2951	I	431/94-311	45%/TW-33A1	1	1	1	I	1	1			
Present Owner	- 1	Interpret or rither to 2. Interpret to 2. Managed to 1. Ma	United States orgintment of Interior; Hurrau of Lind Manayement	Ca ifirm a Mater Compilesion	Calif mia Wator Commission	Dwitht and Stuart Hammond	Ellen Tupper and David Peterson	Donald L. Kruzher	Helen B. Spence	Charles 7. Drummond	Laurence Franklin	Scott Valley Irriration	Town of Yreka City	reask C. and Hazel D. Taylor	Leland H. Domeyer	United States Klamath National Forest	United States Klamath Mational Forest	dayne Trueblood	James M. Otevens			
00018	Filed	7 7 .	3/5/86	3 20/56	3/50 4	7/1./56	9/161/6	95/11/07	1/29/57	15/1/9	10/11/57	85/11/2	6/7/58	8/11/8	12/15/58	1/2/59	1/2/59	2/16/59	8/11/59			
Apolication	Number		le 116	10.4	11.7%	17183	17294	1733.	17440	1767,	.7051	17997	18136	185.57	12.3.	12,57	12,58	18557	1894			

APPENDIX D

DETAILED DESCRIPTIONS OF CERTAIN SURFACE WATER DIVERSIONS

TABLE OF CONTENTS

											Page
Big Springs Irrigation District	•	•	•	•	•	•	•	•	•	•	D-3
Edson-Foulke Yreka Ditch Company	•	•	•	•	•	•	•	•	•	•	D-3
Grenada Irrigation District	•	•	•	•	•	•	•	•	•	•	D-6
Montague Water Conservation District	•	•	•		•	•	•	•		•	D-6
Scott Valley Irrigation District	•	•	•		•	•	•	•	•	•	D-8
Shasta River Water Users Association											D-9

APPENDIX D

DETAILED DESCRIPTIONS OF CERTAIN SURFACE WATER DIVERSIONS

Big Springs Irrigation District (Diversion 43N/5W-3R2, Dwinnell Reservoir Subunit)

The Big Springs Irrigation District was organized
March 13, 1913, as the Big Springs Water Company. In the Shasta
River Adjudication No. 7035, Siskiyou County Superior Court,
December 30, 1932, the district was granted a right to divert
30.0 cubic feet per second from Big Springs from April 1 to
October 1 of each year. This right, as described in paragraph 14
of the Judgment and Decree, was based upon water appropriation
notice, dated March 22, 1913, and recorded April 2, 1913, in
Book of Water Rights, page 55, Siskiyou County Records.

Water is diverted from Big Springs by a 20-inch pump powered by a 250-horsepower electric motor. The intake is 12 feet of 24-inch steel pipe. The discharge is 44-inch wood stave pipe, 1,468 feet in length. The pump, rated at 14,400 gallons per minute, operates under a static head of 58 feet.

The present service area, as shown on sheet 6 of Plate 2, consists of 3,586 acres. Irrigated lands comprise primarily alfalfa and mixed pasture, as shown in Table 7. An additional 64 acres within the boundary of the district were irrigated by diversion 43N/5W-3Rl, during 1958.

Edson-Foulke Yreka Ditch Company (Diversions 41N/5W-9P1, Weed Subunit; 41N/5W-6D1, Parks Creek Subunit; 42N/6W-10G1, Grenada Subunit)

The Edson-Foulke Yreka Ditch Company is successor to the Edson-Foulke Company, the Shasta River Canal Company, the

Yreka Water Company and the Yreka Ditch Company.

In 1854, the Yreka Ditch Company began construction of a ditch to bring water from Shasta River, Parks Creek, and other intermediate streams to the mines in and around the town of Yreka. The main diversion point from Shasta River, 41N/5W-9Pl (Weed Subunit), is about 30 air miles southeast of Yreka. However, a survey showed that approximately 95 miles of ditch would have to be built to cover this distance. The undertaking proved to be financially impossible for the backers of the Yreka Ditch Company. The unpaid workers, determined to complete the project, formed the Yreka Water Company, finished the ditch, and delivered water to Yreka Flats in 1856. Through the years, the ditch has been given such names as the "Big Ditch," the "China Ditch," and the "Yreka Ditch."

Today this ditch is known as the "Edson-Foulke Yreka Ditch." Water from Shasta River diverted by this ditch is supplemented by water from Parks Creek diverted by a second ditch (41N/5W-6D1) known as the Edson-Foulke Ditch.

Diversion facilities on Shasta River consist of a log and rock dam, 2 feet high by 30 feet long, diverting through a concrete diversion box and Parshall flume. The ditch, approximately 6 feet in width and 3 feet deep, flows 4 miles from the Shasta River to the Parks Creek diversion. Here the ditch enlarges to 8 feet in width and is 4 feet in depth for the remaining 8 miles to the point where the water flows down the hillside to the primary distribution canal called the "Webb Lateral." Additional

water is diverted from Willow Creek into the Webb Lateral by an earth dam (42N/6W-10G1) which is built and removed annually.

Paragraph 116 of the Shasta River Adjudication Proceedings No. 7035, Siskiyou County Superior Court, December 30, 1932, entitles the company to divert from Shasta River at diversion point 41N/5W-9Pl (Weed Subunit), 21.15 cubic feet per second from March 1 to November 1, and 4.55 cubic feet per second from November 1 to March 1. The company can divert, from Parks Creek, 7.45 cubic feet per second, March 1 to November 1, at diversion point 41N-5W-6Dl (Parks Creek Subunit). In addition, 7.45 cubic feet per second and 228 acre-feet storage are allotted to the company from either Shasta River or Parks Creek, or in part from both sources, between November 1 to March 1, via the above-mentioned points of diversion.

Paragraph 117 entitles the company to divert from Shasta River, at diversion point 41N/5W-9Pl (Weed Subunit), 1.75 cubic feet per second from March 1 to November 1, and 0.40 cubic foot per second from November 1 to March 1. The company can divert from Parks Creek, at diversion point 41N/5W-6Dl (Parks Creek Subunit), 0.60 cubic foot per second March 1 to November 1. In addition, 0.60 cubic foot per second is allotted to the company from either Shasta River or Parks Creek, or in part from both sources, between November 1 to March 1 at the above-mentioned points of diversion.

Paragraph 118 entitles the company to divert from Willow Creek, at diversion point 42N/6W-10Gl (Grenada Subunit) where the Webb Lateral intercepts Willow Creek, 2.10 cubic feet

per second from March 1 to November 1, and 0.70 cubic foot per second from November 1 to March 1, in lieu of amounts of water allotted from Shasta River and Parks Creek under Paragraph 117.

Grenada Irrigation District (Diversion 43N/5W-6D1, Grenada Subunit)

as the Lucerne Water Company to supply irrigation water to about 4,000 acres located southwest of Grenada. In the Shasta River Adjudication No. 7035, Siskiyou County Superior Court, December 30, 1932, the district was granted a right to divert 40 cubic feet per second from the Shasta River, April 1 to October 1 of each year. This right was based upon Permit No. 501, issued by the Division of Water Rights to the Lucerne Water Company on its Application No. 448, filed August 28, 1916.

The first unit of the pumping plant, having a capacity of 12,500 gallons per minute, was installed and began pumping in April or May 1917. A second pump, rated at 10,000 gallons per minute, was added and started pumping on July 1, 1918.

The district diverts from the river through 1,000 feet of canal used jointly with the Huesman Ditch. A masonry dam is maintained in the river to divert water into the canal, where two 18-inch pumps lift it 72 feet, through 720 feet of 44-inch wood stave pipe to the main canal. It then flows by gravity through 13 miles of unlined earth canal.

The present service area, as shown on sheets 5 and 8 of Plate 2, consists of 1,858 acres, of which 1,322 acres were irrigated during 1958.

Montague Water Conservation District (Diversion 43N/5W-25Ll, Dwinnell Reservoir Subunit)

The Montague Water Conservation District, formerly the Montague Irrigation District, was organized May 5, 1925, after the dissolution of the Klamath-Shasta Valley Irrigation District. The latter district was organized in 1921 for the purpose of diverting Klamath River water into Shasta Valley. The costs of diverting such water were found to be excessive, and no action was taken to develop the project. The district was dissolved by the Siskiyou County Superior Court on January 23, 1924.

The Montague Irrigation District was then organized, and Shasta River Dam was constructed, forming Dwinnell Reservoir, with an effective storage capacity of about 34,000 acre-feet.

The dam is 1,265 feet long by 98 feet high. The capacity was increased in March 1955 to 50,000 acre-feet, after a rubble berm was added to the toe of the dam. Canals were constructed for the purpose of delivering the water to farms in the vicinity of Montague, the main canal being 35 miles long.

Dwinnell Reservoir receives additional water from Parks Creek by diversion 42N/5W-29Ql. This diversion irrigated 5848 acres in 1958 of which 611 acres received additional water from 45N/5W-25B2 and 86 acres received additional water from 45N/6W-8F1 (Little Shasta Subunit). Prior to 1958, 919 acres were irrigated by 42N/5W-29Ql of which 36 acres received additional water from 45N/5W-25B2.

In the Shasta River Adjudication No. 7035, Siskiyou County Superior Court, Paragraph 287, December 30, 1932, the district was granted a right to impound 35,000 acre-feet per season

in Dwinnell Reservoir, based upon permit 2452, issued by the Division of Water Rights. An additional right to divert 14,000 acrefeet from Parks Creek into the Shasta River above the reservoir was granted in Paragraph 288. This right was based upon Division of Water Rights permit 2453. The gross area of the district was 20,559 acres in 1958 (4,830 acres in Dwinnell Reservoir Subunit, and 15,729 acres in Little Shasta Subunit), of which 5,934 acres were irrigated.

Scott Valley Irrigation District (Diversions 41N/9W-2B1, Callahan Subunit, and 43N/9W-3H1, Lower Scott Valley Subunit)

The Scott Valley Irrigation District was organized on July 7, 1917. License No. 441, in the amount of 62.5 cubic feet per second, was issued by the Division of Water Rights in response to Application No. 512, filed by J. A. Matthews, November 2, 1916. The right was assigned to the Scott Valley Irrigation District on October 20, 1917.

Diversion facilities located 3 miles southeast of Etna in Callahan Subunit include a concrete and flashboard dam approximately 2 feet high and 50 feet long, with an earth wing wall. Water is diverted into the main canal and transported along the eastern edge of the valley approximately 16 miles to Fort Jones.

The portion of the district in Lower Scott Valley Subunit is supplied with water by two 12-inch pumps, one powered by a 50-horsepower and the other by a 100-horsepower electric motor located 1 mile west of Fort Jones on the Scott River. Water is pumped through a 30-inch steel pipe, three-quarters of a mile to the lower canal. This canal was previously connected to the main canal by one-half mile of inverted siphon, which was damaged when the highway to Etna was relocated. Permit No. 11768 for 25 cubic feet per second has been issued by the Water Rights Board in response to Application No. 17997, filed by the district on February 11, 1958.

Shasta River Water Users Association (加水/6W-3Nl, Little Shasta Subunit)

The Shasta River Water Users Association is a mutual water company organized in 1912. About 4,000 acres lying north of Grenada and west of the Shasta River were subdivided on a "land settlement" plan, where the cost of building, implements, stock, etc., was incorporated into the purchase price of the land.

In the Shasta River Adjudication No. 7035, Siskiyou County Superior Court, Paragraph 341, December 30, 1932, the association was granted a right to divert 42 cubic feet per second from the Shasta River, based upon a water appropriation notice dated November 23, 1912, and recorded December 4, 1912, in Book 7 of Water Rights, page 49, Siskiyou County Records.

Water is pumped uphill by two pumps on the west bank of Shasta River 3 miles north of Grenada. The pipelines discharge at high points near the centers of two canals along the hillside. From these points, the water flows two directions in each canal; north to lands in Little Shasta Subunit and south to lands in Grenada Subunit.

The High Line Unit is a 12-inch pump rated at 13.95 cubic feet per second with a 225-horsepower electric motor, pumping through 1,970 feet of 24-inch wood stave pipe, discharging into the High Line Canal.

The Low Line Unit is a 16-inch pump rated at 28.1 cubic feet per second with a 360-horsepower electric motor, pumping through 1,703 feet of 36-inch diameter wood stave pipe, discharging into the Low Line Canal.

The gross area within the boundary, as shown on sheets 2 and 5 of Plate 2, is 6,593 acres (2,199 acres in Grenada Subunit, and 4,394 acres in Little Shasta Subunit), of which 4,259 acres were irrigated in 1958.







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